

MINISTRY OF DEFENCE OF UKRAINE

MILITARY ACADEMY (ODESA)

**EDUCATIONAL PROGRAMME
OF THE PROFESSIONAL MILITARY EDUCATION COURSE**

**TACTICAL LEVEL COMMAND COURSE FOR THE LOGISTICS FORCES
(MILITARY AUTOMOTIVE EQUIPMENT) L-1C (MAE)**

(course name, course code according to the Catalogue)

**by Military Occupational
Specialty**

706200 “Operation and Repair of Automotive Equipment and
Its Analogues”

APPROVED

By the Academic Council of the Higher Military
Educational Institution (Military Education Unit of a
Higher Education Institution)

(Minutes No. dated ____ ____ 20 year)

Chairman of the Academic Council of the Higher
Military Educational Institution (Military Education
Unit of a Higher Education Institution)

Major General Andriy KOVALCHUK

(military rank) (signature) (first and last name)

Put into effect by Order of the Commandant of the
Military Academy (Odesa) dated "___" ____ 20_

No. _____ dated “____” _____ 2024 No. __.

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APPROVAL SHEET

EDUCATIONAL PROGRAMME OF THE COURSE PROFESSIONAL MILITARY EDUCATION

TACTICAL LEVEL COMMAND COURSE FOR THE LOGISTICS FORCES

(MILITARY AUTOMOTIVE EQUIPMENT) L-1C (MAE)

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706200 *“Operation and Repair of Automotive Equipment and
Its Analogues”*

APPROVED

Director of the Department of Military

Education and Science of the Ministry

of Defence of Ukraine

Vladimir MIRNENKO

_____20

APPROVED

Head of the Central Administration of Military
Education and Science of the General Staff of
the Armed Forces of Ukraine

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Oleg Pavlovsky

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APPROVED

Commander of Logistics Forces

Armed Forces of Ukraine

Brigadier General

Volodymyr KARPENKO

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Developed and submitted

Chair of the working group

Head of the Central Military Equipment Supply
Department of the Logistics Command of the
Armed Forces of Ukraine Colonel

Andriy YAKOVENKO

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INTRODUCTION

DEVELOPED by the working group of the Logistics Forces Command of the Armed Forces of Ukraine and the Military Academy (Odesa).

Order of the Commander of the Logistics Forces of the Armed Forces of Ukraine dated “ ___ ”
_____ 2024 No. _____.

Head of the working group –

Colonel Andriy Petrovych YAKOVENKO - Head of the Central Military Equipment Supply Department of the Logistics Command of the Armed Forces of Ukraine

Members of the working group:

DEMYANCHUK Boris Oleksandrovysh – Doctor of Technical Sciences, Associate Professor, Head of the Department of Automotive Engineering, Faculty of Military Equipment Maintenance and Operation, Military Academy (Odesa);

LISYI Oleksandr Vasylovych – Candidate of Technical Sciences, Associate Professor, Head of the Department of Automotive Engineering, Faculty of Training Specialists in the Maintenance and Operation of Military Equipment, Military Academy (Odesa), Colonel;

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GUMENYUK Oleksiy Viktorovich – Head of the Faculty of Training Specialists in Military Equipment Maintenance and Operation, Military Academy (Odesa), Colonel.

Course Director:

DEMYANCHUK Boris Oleksandrovysh – Doctor of Technical Sciences, Associate Professor, Head of the Department of Automotive Engineering, Faculty of Military Equipment Maintenance and Operation, Military Academy (Odesa).

TAKING INTO ACCOUNT:

1. Professional standard for tactical-level officers of the Armed Forces of Ukraine “Motor vehicles and motor transport (VOS 560201, 560202, 560203, 560300, 706200)” and professional standard for tactical-level officers of the Armed Forces of Ukraine “Military Motor Transport (VOS 260200, 261000, 261001, 261003, 261006, 560201, 560202, 560203, 560300, 706200)”

1. PROFILE OF THE STUDY PROGRAMME PROFESSIONAL MILITARY EDUCATION COURSE

1 - General information	
Full name of the higher education institution (HEI)	Military Academy (Odesa)
Name of the document on completion and scope of the educational programme of the professional military education course	Certificate of completion of the course "Tactical level command course of the Logistics Forces (military automotive equipment) L-1C (mae), according to MOS 706200". Scope of the educational programme: 17.5 ECTS credits.
Background.	A higher education degree of at least a bachelor's degree and completion of a tactical level L-1B course
Language(s) of instruction	Ukrainian (English)
Validity of the vocational education programme	Until a new educational programme is updated or introduced.
2 - Objectives of the educational programme	
Training of highly skilled, comprehensively developed, competitive military specialists for the Armed Forces of Ukraine, who would acquire basic professional knowledge to perform professional tasks, possess the necessary innovative knowledge, skills of their practical application, able to solve problems and challenges in the organisation of automotive support	
3 - Characteristics of the educational programme	
Subject area	Field of knowledge: "25 Military sciences, national security, state border security"; Speciality: "255 Armament and military equipment"; Specialisation: "Military automotive equipment.
The main focus of the educational programme of the professional military education course	Professional military education for military service in typical positions defined in the professional standard of a tactical officer.
Features of the programme	Training in the system of multi-level professional military education for officers of the Armed Forces of Ukraine
4 - Opportunities for graduates to find employment and further education	
Employment opportunities	<ul style="list-style-type: none"> - Deputy Commander of the Material Support Group for Weapons; - Deputy Head of the Storage Department; - Deputy Head of the Shop; - Deputy Head of the Column for Technical Affairs; - Deputy Head of the Technical (Accounting and Operations) Department; - Deputy Chief of Staff of the Battalion; - Engineer - Assistant to the Head of the Automotive Logistics Service; - Engineer of the Automotive (Automotive and Electric Gas) Logistics Service; - Road Safety Engineer (Inspector); - Engineer of the Repair Shop;

	<ul style="list-style-type: none"> - Engineer of a Repair and Restoration Battalion; - Commander of a Car Company; - Commander of a Repair (Evacuation) Company; - Commander of a Support Company (Logistics, Material Support, Technical Support); - Head of Service (Automotive, Automotive and Armoured Vehicles, Military Equipment Supply, Military Equipment); - Head of the Storage (Conservation) Department; - Head of Centralised Transport (Mechanisation and Transportation); - Head of the Group of the Training and Laboratory Complex; - Head of the Operational Group; - Head of the Repair Department; - Head of the Training and Laboratory Complex; - Head of the Mobile Maintenance and Repair Complex; - Head of the Technical and Operational Department of Automotive Equipment; - Head of the Workshop; - Officer of the Support Department of the Territorial Recruitment and Social Support Centre; - Officer of the Monitoring and Logistics Department; - Officer of the Logistics Department of the Headquarters (Brigade, Centre); - Assistant Chief of Service (Automotive, Automotive and Armoured Vehicles, Military Equipment, Military Equipment Supply) of a Brigade (Regiment, Centre); - Senior Officer of the Centralised Transportation Department (Mechanisation and Transportation); - Senior Engineer of a Workshop (Technical part, Department); - Senior Officer of the Logistics Department of the Brigade Headquarters (Centre); Engineer of the Research and Development Department;
Further training	Training under the educational programme of the tactical level command and staff course (L-2) of professional military education.
5 - Teaching and assessment	
Teaching and learning	The main types of lessons used to teach the components of the educational programme are: lectures; seminars, group sessions, practical sessions, group exercises; tactical (tactical-drill, tactical-special) exercises, independent work, including at the field educational and training facilities.
Assessment	Assessment of the learning outcomes of course participants includes the full range of control measures provided by the programmes of academic disciplines and is carried out on a 100-point scale, ECTS scale and national scale.
6 - Programme competences	
Military and professional competences (MPC)	MPC-13 The ability to lead a unit in preparation for and conduct of combat, and in the conduct of day-to-day activities in the unit.
	MPC-14 The ability to prepare and use regular weapons and military equipment of the unit, to effectively use combat and technical capabilities in various types of combat (hostilities).
	MPC-15 Ability to plan company (battalion) actions in the main types of combat, determine combat missions for subordinate and

	attached units (including NATO standards).
	MPC-16 Ability to provide comprehensive support, use regular weapons and military equipment of a subordinate unit.
	MPC-17 Ability to assess the enemy and predict the most likely options for his actions in solving combat missions in various types of combat.
Military-specific competences (MSC)	MSC-11 The ability to make informed decisions, to withstand extreme physical and psychological stress in critical situations during preparation and conduct of combat operations.
	MSC-12 Ability to identify the basic value principles of formation, development and affirmation of the military leader's identity.
	MSC-13 Ability to carry out professional activities taking into account the needs of national security and defence.
	MSC-14 Ability to use specialised software to assess the effectiveness of combat use of the unit and solve other professional tasks.
7 - Results of the training	
Professional training	LOmp-13 Know and understand the processes of effective unit management in preparation for and conduct of combat and in day-to-day operations.
	LOmp-14 Apply knowledge of the combat properties, structure, principles of operation of weapons (armaments), rules of firing from them, provisions of the Course of Fire, methods of organising and conducting lessons to train unit personnel.
	LOmp-15 Know and use combat capabilities, various forms and methods of tactics of units in the main types of combat (tactical actions).
	LOmp-16 Know and understand the processes of comprehensive support of the unit during combat operations and day-to-day activities.
	LOmp-17 Possess sufficient knowledge, methods and technologies in the field of supplying troops (forces) to solve complex professional problems.
	LOms-11 Apply knowledge and understanding of the unit's training and combat processes to perform functional duties in the course of daily activities during preparation and conduct of combat operations.
	LOms-12 Use effective internal communications to inspire and motivate personnel to accomplish assigned tasks.
	LOms-13 Apply knowledge to solve professional problems related to national security and defence.
	LOms-14 Use special software, be able to analyse and display the results of calculations related to the assessment of the situation and/or the effectiveness of the unit's combat employment.
8 - Resource support for programme implementation	
Human resources support	<p>The academic staff involved in the educational programme are full-time employees of the Military Academy, some of whom have academic degrees, academic titles and a proven level of scientific and professional activity. Professional competences are developed by professionals with professional experience.</p> <p>The practice-oriented nature of the educational programme involves the wide participation of practitioners who are relevant to the</p>

	<p>programme, which enhances the synergy between theoretical and practical training.</p> <p>The head and members of the working group on the development of the programme, as well as the teaching staff that ensures the implementation of the educational programme meet the requirements set by the Ministry of Defence of Ukraine</p>
Logistical support	<p>The material and technical base of the Military Academy (Odesa) and the Centre for Supporting the Educational Process of the Military Academy is used to implement the competencies and learning outcomes specified in the educational programme. The material and technical support meets the requirements for the provision of educational services and is sufficient to ensure the quality of the educational process, in particular: classrooms; computer classrooms (laboratories); specialised laboratories; gyms, sports grounds; library, reading room; multimedia equipment; premises for research and teaching staff; barracks premises; dining room, etc.</p>
Information and educational support	<p>Teaching and learning materials are developed in accordance with the current regulatory and legislative documents of the Ministry of Education and Science of Ukraine and orders of the Ministry of Defence of Ukraine, and consist of the following materials:</p> <ul style="list-style-type: none"> instructional and methodological materials for practical sessions; teaching and learning materials for all types of lessons; methodological instructions for the execution of works (projects); methodological guidelines for organising independent work; programmes of all types of practical training; diagnostic tools. <p>The library fund is used in teaching, including teaching materials, educational and methodological developments of teaching staff.</p> <p>The programme is implemented using the virtual learning environment of the Military Academy (Odesa), author's developments, textbooks and manuals, and other teaching and learning materials.</p> <p>The official website of the Academy (http://vaodesa.mil.gov.ua/) contains information on educational, scientific and educational activities, structural units, admission rules, contacts, and users have the opportunity to use all available library resources. There is technological and material and technical support for the educational process.</p>

2. LIST OF COMPONENTS OF THE EDUCATIONAL PROGRAMME OF THE PROFESSIONAL MILITARY EDUCATION COURSE AND THE CORRESPONDENCE OF PROGRAMME COMPETENCES AND LEARNING OUTCOMES TO THE COMPONENTS OF THE CURRICULUM

2.1. List of components of the EP

Code n/disc.	Components of the educational programme (academic disciplines/modules)	Quantity credits	Form of final control
MS 1.	Leadership	2,2	-
MS 2.	Routine Activities	1,3	-
MS 3.	Organisation of Moral and Psychological Support	1,0	-
MS 4.	Tactics	1,7	-
MS 5.	Fundamentals of Military Communications	0,6	-
MS 6.	Reconnaissance Training	0,4	-
MS 7.	Engineer Support	1,0	-
MS 8.	Medical Support for units	1,0	-
MS 9.	Fire Control	0,3	-
MS 10.	Automotive Technical Support	7,5	-
	Comprehensive exam	0,4	Comprehensive exam
Total under the programme, credits		17,4	

2.2 Correspondence of programme competences to the components of the study programme

	MS 1	MS 2	MS 3	MS 4	MS 5	MS 6	MS 7	MS 8	MS 9	MS 10
MPC-13	+	+	+	+	+	+	+	+	+	+
MPC-14				+	+	+	+	+	+	+
MPC-15				+	+	+	+	+	+	+
MPC-16				+	+	+	+	+	+	+
MPC-17				+	+	+	+	+	+	+
MSC-11				+	+	+	+	+	+	+
MSC-12	+		+	+	+	+	+	+	+	+
MSC-13		+		+	+	+	+	+	+	+
MSC-14				+	+	+	+	+	+	+

2.3 Relevance of learning outcomes to the components of the study programme

	MS 1	MS 2	MS 3	MS 4	MS 5	MS 6	MS 7	MS 8	MS 9	MS 10
LOmp-13	+	+	+	+	+	+	+	+	+	+
LOmp-14				+	+	+	+	+	+	+
LOmp-15				+	+	+	+	+	+	+
LOmp-16				+	+	+	+	+	+	+
LOmp-17				+	+	+	+	+	+	+
LOmp-11				+	+	+	+	+	+	+
LOmp-12	+		+	+	+	+	+	+	+	+
LOmp-13		+		+	+	+	+	+	+	+
LOmp-14				+	+	+	+	+	+	+

3. DISTRIBUTION OF STUDY PROGRAMME COMPONENTS BY COURSES AND SEMESTERS OF STUDY

No. s/n	Academic discipline code	Name of the discipline (module)			Number of ECTS credits	Number of hours					Control measure	Independent work
						Total volume	Contact					
							In total	including				
								lectures	group, seminars	practical, laboratory		
1	2	3	4	5	6	7	8	9	10	11	12	13
Module 1: "Combat Employment and Command and Control of Units Operations"												
1	MS 1	Tactics			1,7	50	30	-	30	-	-	20
2	MS 2	Fundamentals of Military Communications			0,6	18	12	2	6	4	-	6
3	MS 3	Reconnaissance Training			0,4	12	8	-	8	-	-	4
4	MS 4	Engineer Support			1,0	30	18	-	18	-	-	12
5	MS 5	Medical Support for Units			1,0	30	18	4	14	-	-	12
6	MS 6	Fire Control			0,3	8	4	2	2	-	-	4
Total per module					5,0	148	90	8	78	4	-	58
Module 2: "Leadership and Routine Activities"												
7	MS 7	Leadership			2,2	66	30	2	28	-	-	36
8	MS 8	Routine Activities			1,3	40	24	10	6	8	-	16
9	MS 9	Organisation of Moral and Psychological Support			1,0	30	18	-	14	4	-	12
Total per module					4,5	136	72	12	48	12	-	64
Module 3: "Organisation of Automotive Technical Support"												
10	VS 10	Automotive Technician Support			7,5	224	168	6	42	120	-	56
Total per module					7,5	224	168	6	42	120	-	56
Total for academic disciplines					17,0	508	330	26	168	136	-	178
Comprehensive exam					0,4	12	-	-	-	-	12	-
Total hours					17,4	520	330	26	168	136	12	178

4. PROGRAMMES OF ACADEMIC DISCIPLINES OF THE EDUCATIONAL PROGRAMME

MS 1. TACTICS

1. The general purpose of the discipline (subject of study):

The discipline may be taught in the following ways:

in classrooms - during courses directly at a higher military educational institution;

in a mixed form of education (distance learning combined with traditional education) - during online learning without interrupting the performance of their functional duties at the place of service at the first stage, but the assessment of cadets for the discipline as a whole affects the further direct training of cadets in courses at a higher military educational institution, which is carried out at the second stage of training.

The purpose of teaching the discipline "Tactics" is to:

formation of general competences and general professional competences in the speciality in accordance with the requirements of educational and professional programmes (standard of higher military education) for the training of military specialists, in readiness for their use, skills and abilities in the performance of official (combat) functions and tasks on the use of units in the main types of combat operations.

As a result of studying the discipline, cadets should:

know:

basic provisions of military regulations and guidelines, experience of military art, conduct of combat operations in modern armed conflicts, taking into account the norms of international humanitarian law during combat missions;

the procedure for managing a unit in difficult combat conditions, organising combat on the ground, interaction, combat support and command;

the procedure for organising and marching units, positioning them on the ground, using the protective and camouflage properties of the terrain, providing direct protection under the constant threat of the enemy's use of weapons of mass destruction, air strikes, airborne assault and sabotage and reconnaissance groups.

be able to:

plan, organise and apply combat skills of the unit (by types, branches of the Armed Forces of Ukraine, other military formations established in accordance with the laws of Ukraine)

manage a unit in difficult combat conditions, organise combat on the ground, interaction, combat support and command;

2. Organisational and methodological instructions:

2.1. Features of the methodology of conducting lessons:

The methodology of teaching a discipline is based on the basic principles of didactics (theory of reasoning and learning). It provides a scientific and pedagogical description of the forms and methods of teaching, indicates the most appropriate combinations to achieve a certain level of learning, and determines the conditions for their most effective use.

To achieve the main learning objective, the programme provides for the following forms of learning:

frontal form of training, when all cadets perform the same task at the same time under the supervision of a teacher;

group form of training, when cadets are combined into groups (departments) depending on the staffing structure of the unit, which work in parallel;

individual form of learning (in the case of distance learning), when cadets complete tasks sequentially, one by one.

At the same time, depending on the need to achieve the levels of knowledge or skill, the teacher should use the following methods:

verbal and visual;

training;

situational and cognitive.

A verbal and visual method in which the teacher systematically and consistently presents the educational material, shows (demonstrates) the subjects studied in order for cadets to gain new knowledge and form the appropriate imagination.

The training (reproductive) method consists in performing complex actions in accordance with an algorithm (pre-established procedure) determined by the training leader to develop the necessary skills and ensure the coherence of military organisational structures.

Situational and cognitive - in reviewing and discussing real (probable) actions, learning about the experience of commanding troops (forces) in military conflicts and developing skills in information and analytical activities.

The above methods provide cadets with knowledge, skills, and abilities, but to develop their creative abilities, the group leader should use problem-based learning methods.

Problem-based teaching is when the group leader poses a problem to the cadets, solves it himself, but at the same time shows the ways of solving it, reveals the course of his thought. The immediate result of problem-based teaching should be that the student learns the method and logic of solving a particular problem, but not yet the ability to apply it independently. This method teaches cadets how to search for knowledge and helps them develop creative thinking skills.

The search (heuristic) method (in distance learning) serves the purpose of gradually bringing cadets closer to solving problems on their own by first teaching them how to perform certain elements of the solution. It is used in group sessions when the method of finding the optimal solution is determined by the group leader, but the solution is found by the student.

Problem-based methods provide a deep assimilation of knowledge at the level of its creative application, mastery of creative thinking methods, and practical experience.

during lectures:

A lecture is the main type of training session designed to teach the theoretical material of a topic.

The main purpose of the lecture is to systematise the foundations of scientific knowledge and practical experience on the topic, the state and prospects of development of management science, theory and practice of military leader's management activities, to focus on the most complex and nodal issues of the educational material. The lecture should be problem-based, stimulate active cognitive activity of cadets, and promote creative thinking. In order to enhance the cognitive activity of servicemen and to develop their creative thinking, technical teaching aids should be skilfully used during lectures in combination with active forms and methods of lecturing. Lessons should be conducted by the method of oral presentation of educational material, with individual questions and educational elements worked out in the form of a dialogue between the teacher and the cadets and by asking them problematic questions.

During the online lecture, cadets are assigned tasks in accordance with the requirements of the online course.

when conducting group sessions:

A group session is a type of training session during which the teacher presents new educational material in a verbal and visual way, controls the cadets' learning of this material by questioning them and helps to consolidate it.

Group session are held to enable cadets to study in detail the issues and problems discussed in lectures and to consider in detail topical issues of the course material. The main teaching methods are explanation with demonstration and discussion. Technical means of information transmission, tables, diagrams, slides, diagrams and posters should be used to ensure visualisation during the lessons.

During the online group assignment, cadets are assessed on the basis of their test (individual) tasks in accordance with the requirements of the developed online course.

during practical sessions:

A practical session is a type of training session during which a research and teaching (pedagogical) employee organises the mastering of theoretical provisions of the discipline by cadets through the performance of specially formulated tasks and promotes the development of skills and abilities to apply these theoretical provisions in practice.

A practical session is a form of training in which cadets practically work on educational issues, the instructor monitors the learning of previously studied material and seeks to consolidate it, and the instructor uses creative recommendations to guide the independent work of cadets. Therefore, the practical session is one of the most important types of training sessions with cadets.

During the online practical session, cadets are assessed based on the results of completing tasks to fill in the documents of daily activities, in accordance with the requirements of the developed online course.

when organising independent work:

Independent work should be carried out with the aim of working out and mastering the educational material; consolidating and deepening knowledge, skills and abilities; preparing for the next lessons and control measures; forming a culture of mental work, independence and initiative in the search, acquisition and enrichment of knowledge among cadets.

Independent work should be provided with educational literature, study guides, assignments and methodological recommendations. All teaching and learning materials should have electronic versions. Methodological materials for independent work should provide for the possibility of self-control.

The study of independent work issues that are studied during the online course, the definition of individual tasks are performed in accordance with the requirements of the developed online course.

2.2. Frequency and peculiarities of current control, the general procedure for determining the score for current control:

An integral part of the process of professional development of officers at tactical level logistics courses (L-1C L) is a system of monitoring and reporting on the quality of learning. The main purpose of the control is to ensure the scientific level of the acquired knowledge and the strength of the skills and abilities developed. The following control methods are used in teaching the discipline "Tactics":

entrance control;

current control;

self-control;

final control.

The number of control measures, forms of their implementation, and frequency are communicated to cadets at the beginning of the discipline.

Entrance control is carried out before the study of the discipline in order to study the level of training of course participants and make changes to the content of the educational issues to be considered during the lesson.

Current control is carried out by teachers at all types of lessons.

The main purpose of the current control is to provide feedback between teachers and cadets in the learning process, to check the cadets' readiness to complete the next learning tasks, and to manage their learning motivation. The information obtained during the current control is used to adjust teaching methods and tools, as well as for cadets' independent work.

Ongoing control can be carried out in the form of an oral survey or a written express control (flyer) during training sessions, as well as in the form of computer testing.

The results of the current control are recorded in the training logbook and are used and taken into account during the final control.

Self-control is intended for cadets' self-assessment of the quality of learning material on a specific topic of the discipline. Self-control is carried out in the form of control questions on the topic or testing on a computer.

The final control is carried out in the form of a comprehensive examination within the period established by the schedule of the educational process and in the amount of educational material determined by the programme of the discipline.

In the course of studying a discipline in the distance learning mode, cadets are assessed for the discipline as a whole based on the performance of a test, the assessment of which affects the further direct training of cadets in courses at a higher military educational institution, which is carried out at the second stage of training.

When taking courses directly at a higher military educational institution, cadets who have completed the full course of study provided for by this programme are allowed to take the comprehensive exam.

To conduct the comprehensive examination, an examination board is appointed by order of the Head of the Academy, which includes representatives of the Military Academy who have a relevant military accounting speciality.

2.3 Logistical support

Lessons should be held in a specialised classroom, which should be equipped with personal electronic computing equipment at the rate of one workstation per two cadets. It is mandatory to use technical training aids during the training sessions.

2.4 Information and methodological support

The main guiding documents for the teacher in preparing for lessons on the topics of the discipline are:

1. The Combat Statute of the Mechanised and Tank Troops of the Armed Forces of Ukraine, Part II (Battalion, Company). - KYIV: KSV ZSU, 2016.

2. The Combat Statute of the Mechanised and Tank Troops of the Armed Forces of Ukraine, Part III (platoon, section, crew). - K.: KSV ZSU, 2016.
3. Tactics of mechanised units (mechanised platoon): a textbook / [Virko L.: DIA, 2014.
4. Tactics of mechanised units (mechanised company): a textbook / [Ftemov Lviv: DIA, 2012.
5. Order of the Commander-in-Chief of the Armed Forces of Ukraine No. 140 dated 11.09.2020 "On Approval of the Temporary Procedure for the Processing of Operational (Combat) Documents".
6. Management of actions of a mechanised division (tank) during the preparation and conduct of combat (tactical) actions: a textbook. Lviv: DIA, 2014.
7. Training and combat kit of units (subdivisions) of the Armed Forces of Ukraine and a conditional enemy: a textbook.
8. Re
commendations on the Organisation and Methodology of Combat Training in Mechanised and Tank Units - Kyiv: Main Department of the General Staff of the Armed Forces of Ukraine, 2005.
9. Re
commendations for mechanised units on actions on the battlefield in modern conditions. Kyiv: GUBP GKSU of the Armed Forces of Ukraine, 2002.
10. Re
commendations for the preparation and conduct of actions by mechanised and tank units during the termination of the conflict, disarmament and liquidation of illegal armed groups. Kyiv: GUBP GKSU of the Armed Forces of Ukraine, 2002.
11. Co
llection of standards for combat training of the Land Forces of the Armed Forces of Ukraine. Kyiv: Vipol, 2001.
12. TP 7-00(03).01 Basic Combined Arms Training Programme, approved by the First Deputy Chief of the General Staff of the Armed Forces of Ukraine on 25.01.2020.
13. STI 000G.06L Tactical training (course of studying actions as part of a squad (platoon)), approved by Order of the General Staff of the Armed Forces of Ukraine No. 35 of 17.03.2020.
14. DM to STI 000G.06L Reference material for tactical training.

Information resources

15. Official website of the Ministry of Defence of Ukraine: <http://www.mil.gov.ua/>.
16. Military Doctrine of Ukraine. Decree of the President of Ukraine No. 555/2015// [Electronic resource]: <http://www.president.gov.ua/documents/5552015-19443>.

3. Titles of topics and distribution of study time by type of study session

№ s/n	Types of training sessions, control measures	Total hours	Among them		Topic and educational points
			Contact hours	Independent works	
1	2	3	4	5	6
Topic 1. Fundamentals of tactical actions of mechanised (tank) units in a combined arms combat					
1.	Group session	2	2		Lesson 1. Fundamentals of combined arms combat. 1. Basic concepts and definitions. 2. Units in a general battle.
2.	Group session	4	2	2	Lesson 2. Organisational and staffing structure, weapons and combat equipment of mechanised units (squad, platoon, company, battalion). 1. Organisation, armament and combat equipment of a mechanised squad, platoon, company, battalion on an armoured personnel carrier (APC). Technical specifications of weapons and military equipment. 2. New Ukrainian-made weapons and military equipment used in the armed forces and planned for future deployment.
Topic 2. The procedure for developing and maintaining combat documents					
3.	Group session	2	2		Lesson 1. Purpose and procedure for developing (drafting) combat documents. 1. Types of combat documents, methods and rules for their development. Rules for developing textual and graphic combat documents. 2. Procedure and rules for drawing the location and actions of troops and the situation on the working map.
4.	Group session	5	2	3	Lesson 2. Conventional symbols and basic abbreviations used in combat documents. 1. The main symbols used in combat documents using NATO standards. 2. The main abbreviations used in combat documents using NATO standards.
Topic 3. Units on the march and in place. Transportation of units.					
5.	Group session	4	1	3	Lesson 1. Location of mechanised units on the ground. 1. The basics of mechanised units (platoon, company, battalion) on the ground. 2. The work of the unit commander in organising the location on the ground. 3. Actions of mechanised units in guard duty.

6.	Group session	4	1	3	Lesson 2. Transporting units. 1. Transportation by rail. 2. Transportation by river and sea transport. 3. 3. Transportation by air.
7.	Group session	4	2	2	Lesson 3. Actions of mechanized units on the march and in marching guard. 1. Mechanised units on the march and in marching guard. 2. The work of the unit commander in organising the march. 3. Actions of mechanised units on the march and in marching guard.
8.	Practical session	6	6		Lesson 4. Calculating the march of a mechanised battalion. 1. Prepare the initial data for the calculations. 2. Performing calculations.
Topic 4. Mechanised units in the main types of combat.					
9.	Group session	4	2	2	Lesson 1. Defensive combat of mechanised units. 1. General provisions of defensive combat of mechanised units. 2. The procedure and content of the work of the unit commander in organising defensive combat. 3. Conducting defensive combat. The withdrawal of the combat guard.
10.	Seminar	4	4		Lesson 2. Mechanised units in defensive combat. 1. General provisions of defensive combat of mechanised units. 2. The procedure and content of the work of the unit commander in organising defensive combat. 3. Conducting defensive combat. The withdrawal of the combat guard.
11.	Group session	4	2	2	Lesson 3. Offensive combat of mechanised units. 1. General provisions of offensive combat of mechanised units. 2. The procedure and content of the work of the unit commander in organising an offensive battle. 3. Conducting offensive combat.
12.	Seminar	6	2	4	Lesson 4. Organisation and conduct of offensive combat by mechanised units. 1. General provisions of offensive combat of mechanised units. 2. The procedure and content of the work of the unit commander in organising an offensive battle. 3. Conducting offensive combat.
	Control lesson	6	6		Control lesson
TOTAL		50	30	20	

MS 2. FUNDAMENTALS OF MILITARY COMMUNICATIONS

1. The general purpose of the discipline (subject of study):

The discipline may be taught in the following ways:

in classrooms - during courses directly at a higher military educational institution;

in a mixed form of education (distance learning combined with traditional education) - during online learning without interrupting the performance of their functional duties at the place of service at the first stage, but the assessment of cadets for the discipline as a whole affects the further direct training of cadets in courses at a higher military educational institution, which is carried out at the second stage of training.

The purpose of teaching the discipline "Fundamentals of Military Communications" is to:

formation of general competences and general professional competences in the speciality in accordance with the requirements of educational and professional programmes (standard of higher military education) for the training of military specialists, in readiness for their use, skills and abilities in the performance of official (combat) functions and tasks on the use of units in the main types of combat operations.

training of a tactical-level military command officer who knows the basics of unit management, the procedure for preparing and conducting modern combined arms combat using regular means of communication during the performance of service and combat missions in peacetime and wartime.

As a result of studying the discipline, cadets should:

know:

the procedure for using the latest means of communication;

the procedure for organising communication in conditions of radio jamming;

tactical and technical characteristics of the main types of communications equipment;

peculiarities of building a tactical command and control communication system.

be able to:

organise communication with subordinate and interacting units in the main types of combat;

to carry out radio communications in radio networks and radio directions, to conduct official negotiations by means of communication in conditions of interference, to meet the requirements of radio masking, covert command and control of troops and ensure the security of communications.

2. Organisational and methodological instructions:

2.1. Features of the methodology of conducting lessons:

The methodology of teaching a discipline is based on the basic principles of didactics (theory of reasoning and learning). It provides a scientific and pedagogical description of the forms and methods of teaching, indicates the most appropriate combinations to achieve a certain level of learning, and determines the conditions for their most effective use.

To achieve the main learning objective, the programme provides for the following forms of learning:

- frontal form of training, when all cadets perform the same task at the same time under the supervision of a teacher;
- group form of training, when cadets are combined into groups (departments) depending on the staffing structure of the unit, which work in parallel;
- individual form of learning (in the case of distance learning), when cadets complete tasks sequentially, one by one.

At the same time, depending on the need to achieve the levels of knowledge or skill, the teacher should use the following methods:

- verbal and visual;
- training;
- situational and cognitive.

A verbal and visual method in which the teacher systematically and consistently presents the educational material, shows (demonstrates) the subjects studied in order for cadets to gain new knowledge and form the appropriate imagination.

The training (reproductive) method consists in performing complex actions in accordance with an algorithm (pre-established procedure) determined by the training leader to develop the necessary skills and ensure the coherence of military organisational structures.

Situational and cognitive - in reviewing and discussing real (probable) actions, learning about the experience of commanding troops (forces) in military conflicts and developing skills in information and analytical activities.

The above methods provide cadets with knowledge, skills, and abilities, but to develop their creative abilities, the group leader should use problem-based learning methods.

Problem-based teaching is when the group leader poses a problem to the cadets, solves it himself, but at the same time shows the ways of solving it, reveals the course of his thought. The immediate result of problem-based teaching should be that the student learns the method and logic of solving a particular problem, but not yet the ability to apply it independently. This method teaches cadets how to search for knowledge and helps them develop creative thinking skills.

The search (heuristic) method (in distance learning) serves the purpose of gradually bringing cadets closer to solving problems on their own by first teaching them how to perform certain elements of the solution. It is used in group sessions when the method of finding the optimal solution is determined by the group leader, but the solution is found by the student.

Problem-based methods provide a deep assimilation of knowledge at the level of its creative application, mastery of creative thinking methods, and practical experience.

during lectures:

A lecture is the main type of training session designed to teach the theoretical material of a topic.

The main purpose of the lecture is to systematise the basis of scientific knowledge and practical experience on the topic, the state and prospects of development of management science, theory and practice of military leader's management activities, to focus on the most complex and nodal issues of the educational material. The lecture should be problem-based, stimulate active cognitive activity of cadets, and promote creative thinking. In order to enhance the cognitive activity of servicemen and to develop their creative thinking, technical teaching aids should be skilfully used during lectures in combination with active forms and methods of lecturing. Lessons should be conducted by the method of oral presentation of educational material, with individual questions and educational elements worked out in the form of a dialogue between the teacher and the cadets and by asking them problematic questions.

During the online lecture, cadets are assigned tasks in accordance with the requirements of the developed online course.

when conducting group sessions:

A group lesson is a type of training session during which the teacher presents new educational material in a verbal and visual way, controls the cadets' learning of this material by questioning them and helps to consolidate it.

Group sessions are held to enable cadets to study in detail the issues and problems discussed in lectures and to consider in detail topical issues of the course material. The main teaching methods are explanation with demonstration and discussion. Technical means of information transmission, tables, diagrams, slides, diagrams and posters should be used to ensure visualisation during the lessons.

During the online group assignment, cadets are assessed on the basis of their test (individual) tasks in accordance with the requirements of the developed online course.

during practical sessions:

A practical session is a type of training session during which a research and teaching (pedagogical) employee organises the mastering of theoretical provisions of the discipline by cadets through the performance of specially formulated tasks and promotes the development of skills and abilities to apply these theoretical provisions in practice.

A practical session is a form of training in which cadets practically work on educational issues, the instructor monitors the learning of previously studied material and seeks to consolidate it, and the instructor uses creative recommendations to guide the independent work of cadets. Therefore, the practical session is one of the most important types of training sessions with cadets.

During the online practical session, cadets are assessed based on the results of completing tasks to fill in the documents of daily activities, in accordance with the requirements of the developed online course.

when organising independent work:

Independent work should be carried out with the aim of working out and mastering the educational material; consolidating and deepening knowledge, skills and abilities; preparing for the next lessons and control measures; forming a culture of mental work, independence and initiative in the search, acquisition and enrichment of knowledge among cadets.

Independent work should be provided with educational literature, study guides, assignments and methodological recommendations. All teaching and learning materials should have electronic versions. Methodological materials for independent work should provide for the possibility of self-control.

The study of independent work issues that are studied during the Online course, the definition of individual tasks are carried out in accordance with the requirements of the developed Online course.

2.2. Frequency and peculiarities of current control, the general procedure for determining the score for current control:

An integral part of the process of professional development of officers at tactical level logistics courses (L-1C L) is a system of monitoring and reporting on the quality of learning. The main purpose of the control is to ensure the scientific level of the acquired knowledge and the strength of the skills and abilities developed. The following control methods are used in teaching the discipline "Fundamentals of Military Communications":

entrance control;

current control;

self-control;

final control.

The number of control measures, forms of their implementation, and frequency are communicated to cadets at the beginning of the discipline.

Entrance control is carried out before the study of the discipline in order to study the level of training of course participants and make changes to the content of the educational issues to be considered during the lesson.

Current control is carried out by teachers at all types of lessons.

The main purpose of the current control is to provide feedback between teachers and cadets in the learning process, to check the cadets' readiness to complete the next learning tasks, and to manage their learning motivation. The information obtained during the current control is used to adjust teaching methods and tools, as well as for cadets' independent work.

Ongoing control can be carried out in the form of an oral survey or a written express control (flyer) during training sessions, as well as in the form of computer testing.

The results of the current control are recorded in the training logbook and are used and taken into account during the final control.

Self-assessment is intended for cadets to self-assess the quality of learning material on a specific topic of the discipline. Self-control is carried out in the form of control questions on the topic.

The final control is carried out in the form of a comprehensive examination within the period established by the schedule of the educational process and in the amount of educational material determined by the programme of the discipline.

In the course of studying a discipline in the distance learning mode, cadets are assessed for the discipline as a whole based on the performance of a test, the assessment of which affects the further direct training of cadets in courses at a higher military educational institution, which is carried out at the second stage of training.

When taking courses directly at a higher military educational institution, cadets who have completed the full course of study provided for by this programme are allowed to take the comprehensive exam.

To conduct the comprehensive examination, an examination board is appointed by order of the Head of the Academy, which includes representatives of the Military Academy who have a relevant military accounting speciality.

2.3 Logistical support

Lessons should be held in a specialised classroom, which should be equipped with military communications equipment at the rate of one workstation per two cadets. It is mandatory to use technical means of training during the training sessions.

2.4 Information and methodological support

The main guiding documents for the teacher in preparing for lessons on the topics of the discipline are:

1. VHF and KHF radio stations of the tactical command and control link (platoon, company, battalion). - Odesa Military Academy, 2014. 190 p.

2. Fundamentals of communication organisation. Electronic training manual. K. VITI NTUU "KPI" 2009.
3. Organisation of Military Communications, K. VITI NTUU "KPI" 2016.
4. Nasanov on the organisation of radio communications in the Armed Forces of Ukraine. - Kyiv: General Staff of the Armed Forces of Ukraine, 2018.
5. Manual for the use of MOTOTRBO series radio stations - Kyiv: 2018
6. Manual "Training of radio communication specialists" (course of study of radio stations RF-7800H-MR of "HARRIS" company of Falcon III family): Poltava, military unit A3990, 2015.
7. Training of radio-telegraphists. Training manual.
8. A collection of unified standards and training tasks for the communication troops of the Armed Forces of Ukraine. Part 1 - Kyiv, 2000.
9. Guidelines for the preservation and provision of communication equipment and property in warehouses K. 2010 - 356 p.
10. Technical documentation for MOTORBRO 2014 type radio stations.
11. Technical documentation for the radio station RF-7850M-NN.
12. Technical documentation for the radio station RF-7800H-MR.
13. Technical documentation for the Lybid K-1A radio station.
14. Technical documentation for the Lybid K-2RB radio station.
15. The Combat Statute of the Land Forces of the Armed Forces of Ukraine, Part III (platoon, squad, crew). - K: KSV, 2016. 260 c.
16. Annexes to the Combat Statute of the Land Forces of the Armed Forces of Ukraine, Part III (platoon, squad, crew). - K: KSV, 2016. 54 c.
17. Combat Statute of the Land Forces of the Armed Forces of Ukraine, Part II (battalion, company). - K.: CSR, 2016. 218 p.
18. Appendices to the Combat Statute of the Land Forces of the Armed Forces of Ukraine, Part II (Battalion, Company). - K: KSV, 2016. 74 c.
19. Communication as an integral part of the management system. K. NAOU 2003. 138 c.

Information sources

20. <http://bukvar.su/voennaja-kafedra>
21. <http://na.mil.gov.ua>

3. Topics and allocation of lesson time by type of lesson

№ s/n	Types training lessons, control measures	Total hours	of which		Topic title and learning points
			Contact hours	Independent work	
1	2	3	4	5	6
Topic title 1 Fundamentals and Methods of Organising Military Communications of the Armed Forces of Ukraine.					
1	Lecture	4	2	2	Lesson 1: Communication is the main means of ensuring command and control in combat. 1. Management of units (troops), purpose and tasks of management. Requirements for the management of units (troops). 2. Types and types of military communications.
Topic title 2 General Principles of Communication and Main Characteristics of Radio and Wire Communication Equipment of Tactical Command and Control Units.					
2	Group session	2	2		Lesson 1: General characteristics of the Mototrbo trunking system. Operation of subscriber radio stations. 1. Principles of operation of the Motorola system. 2. Technical characteristics and capabilities of the main equipment of the Motorola system (DP 4800 and DM 4600). 3. Management bodies. Preparation of radio stations for operation.
3	Group session	4	2	2	Lesson 2: Tactical and technical characteristics and modes of operation of HARRIS radio stations. 1. Main tactical and technical characteristics and modes of operation of HARRIS RF-7850M-HH radio stations. 2. The composition of the radio station. Preparing the radio for operation. Controls of the radio station.
4	Practical session	2	2		Lesson 3: Preparation for the operation of HARRIS portable radio stations RF-7850M-HH. 1. The procedure for preparing radio stations for operation. 2. Setting up the RF 7850M-NH radio station to operating frequencies, checking radio communication, transmitter power. Transmission of messages and their confirmation. The procedure for reporting the situation (SITREP).

5	Group session	4	2	2	Lesson 4. Documents of hidden management of subdivisions. 1. General provisions. 2. Purpose, composition of documents of hidden management of subdivisions. 3. Transmission of orders using covert command documents based on combat experience.
6	Practical session	2	2		Lesson 5. Work on trunking stations such as DP 4800, DP 4400, Lybid K-1A, Lybid K-2RB. 1. Procedure for coding messages and orders using documents of covert management of subdivisions. 2. The procedure for preparing radio stations for operation. Procedure for establishing radio communication, transmitting signals and commands by radio (situation report (SITREP), report on contact with the enemy (CONTACT REPORT), request for evacuation of the wounded (CASEVAC)). 3. Modular control.
TOTAL		18	12	6	

MS 3. RECONNAISSANCE TRAINING

1. The general purpose of the discipline (subject of study):

As a result of studying the discipline, the student should

know:

the basics of military intelligence, its goals, tasks and requirements, the main methods of conducting military intelligence, the procedure for the personnel of intelligence agencies in performing intelligence tasks, the combat order of intelligence agencies during ambushes and search raids;

types of reconnaissance conducted in mechanised (motorised infantry, tank), airborne assault (airmobile, airborne) military units and subunits;

basics of organisation and tactics of actions in the main types of combat of a platoon, squad (tank) of the Armed Forces of the Russian Federation;

basics of combat employment of intelligence agencies of a unit (tactical group);

the procedure for the work of the observation post personnel;

the purpose and main technical specifications of weapons, military equipment and intelligence equipment;

the procedure for the combat use of optical and optoelectronic reconnaissance means.

be able to:

Conduct reconnaissance of the enemy and the terrain in the area of future operations. Conduct reconnaissance during the march of combined arms units and when they are stationed on the ground;

to organise and lead the actions of the squad, platoon and company in reconnaissance;

to use the regular reconnaissance assets of the reconnaissance company in reconnaissance operations;

apply the provisions of combat regulations and guidelines, experience in organising and conducting intelligence in modern armed conflicts in the preparation and execution of intelligence tasks;

master all methods of conducting intelligence: surveillance, eavesdropping, ambushes, raids and skilfully act in patrol and guard duty, timely obtain and report intelligence.

2. Organisational and methodological guidelines

2.1. Peculiarities of the methodology of conducting lessons

The methodology of teaching a discipline is based on the basic principles of didactics (theory of reasoning and learning). It provides a scientific and pedagogical description of the forms and methods of teaching, indicates the most appropriate combinations to achieve a certain level of learning, and determines the conditions for their most effective use.

Training is provided through group sessions.

In order to achieve the main goal of training, traditional methods may be used in addition to the traditional ones:

- Problem-based teaching is when the group leader poses a problem to the cadets, solves it himself, but at the same time shows the ways of solving it, reveals the course of his thought. The immediate result of problem-based teaching should be that the student learns the method and logic of solving a particular problem, but not yet the ability to apply it independently. This method teaches cadets how to search for knowledge and helps them develop creative thinking skills;

- search (heuristic) method - serves the purpose of gradually bringing cadets closer to solving problems on their own by first teaching them how to perform certain elements of the solution. It is used during group exercises when the method of finding the optimal solution is determined by the group leader, but the solution is found by the trainee.

Problem-based methods provide a deep assimilation of knowledge at the level of its creative application, mastery of creative thinking methods, and practical experience.

when conducting group sessions:

A group lesson is a type of training session during which the teacher presents new educational material in a verbal and visual way, controls the cadets' learning of this material by questioning them and helps to consolidate it.

Group sessions are held to enable cadets to study in detail the issues and problems discussed in lectures and to consider in detail topical issues of the course material. The main teaching methods are explanation with demonstration and discussion. Technical means of information transmission, tables, diagrams, slides, diagrams and posters should be used to ensure visualisation during the lessons.

2.2. Frequency and peculiarities of current control, general procedure for determining the score for current control

An integral part of the process of professional development of officers of military units and subunits is the system of control and reporting on the quality of learning. The main purpose of the control is to ensure the scientific level of the acquired knowledge and the strength of the skills and abilities developed. The following control methods are used in teaching the discipline "General Tactics":

entrance control;

current control;

self-control.

The number of control measures, forms of their implementation, and frequency are communicated to cadets at the beginning of the discipline.

Entrance control is carried out before the study of the discipline in order to determine the level of training of course participants and to make changes to the content of the educational issues to be considered during the lesson.

Current control is carried out by teachers at all types of lessons.

The main purpose of the current control is to provide feedback between teachers and cadets in the learning process, to check the cadets' readiness to complete the next learning tasks, and to manage their learning motivation. The information obtained during the current control is used to adjust teaching methods and tools, as well as for cadets' independent work.

Ongoing control can be carried out in the form of an oral survey or written express control (flyers) during training sessions, as well as in the form of computer testing.

The results of the current control are recorded in the training logbook and are used and taken into account during the final control.

Self-control is intended for cadets' self-assessment of the quality of learning material on a specific topic of the discipline. Self-control is carried out in the form of control questions on the topic or testing on a computer.

2.3 Logistical support

Group sessions should be held in specialised classrooms. It is mandatory to use technical teaching aids during training sessions in specialised lessons.

2.4 Information and methodological support

1. Handbook of the Main Models of Weapons and Military Equipment of the Armed Forces of the Russian Federation -Kyiv: Ministry of Defence of Ukraine, 2015. 352 p.
2. Guidelines on Countering Improvised Explosive Devices. Tactics, Techniques and Procedures in an Environment Threatened by the Use of Improvised Explosive Devices - Kyiv: Ministry of Defence of Ukraine, 2015 - 131 p.
3. A manual for the company (platoon, squad) commander on counter-insurgency (illegal armed formations) (translated by J.N. Mattis): ICMB, 2006. 112 p.
4. Methodological manual on the organisation and implementation of protection and defence, daily activities of military units (subdivisions) of the Armed Forces of Ukraine located in base camps - Kyiv: CES and MP of the Armed Forces of Ukraine, 2014. 60 p.
5. Order of the Chief of the General Staff - Commander-in-Chief of the Armed Forces of Ukraine of 02.07.2016 No. 274 "On Approval of the Temporary Standard of Operational (Tactical) Symbols for the Execution of Operational (Combat) Documents". Kyiv, 2016.
6. Handbook: "The Law of War." - K.: Liubava Publishing House, 1997. - 128 p.
7. Recommendations for Mechanized Units on Actions on the Battlefield in Modern Conditions - K.: GU BP GK AF of Ukraine, 2002. - 45 p.
8. Recommendations for the preparation and conduct of actions by mechanised and tank units in the course of conflict termination, disarmament and liquidation of illegal armed formations - K.: Main Department of the General Staff of the Armed Forces of Ukraine, 2002. - 79 p.
9. Combat Regulations of the Mechanised (Tank) Troops of the Land Forces of the Armed Forces of Ukraine II (Battalion, Company) - K.: KSR, 2016.
10. Combat Regulations of the Mechanised (Tank) Troops of the Land Forces of the Armed Forces of Ukraine III (Platoon, Section, Tank) - K.: KSR, 2016.
11. Manual "Technical means of reconnaissance and their combat use". Lviv Polytechnic State University, 1995.
12. Combat Training Programme for Intelligence Units - MoD, 2005.
13. "Nordic UN Tactical Manual, edition 1.
14. Guidelines for the actions of units within the UN peacekeeping forces in areas of military conflict. Kyiv, 2004.

3. Titles of topics and allocation of lesson time by type of lesson

№ s/n	Types of training sessions, control measures	Total hours	Among them.		Topic title and learning points
			Contact hours	Independent work	
Topic title 1: Fundamentals of Reconnaissance.					
1.	Group session	6	4	2	Lesson 1: Fundamentals of Reconnaissance. 1. Exploration. Scope and scale of application. 2. The purpose and tasks of reconnaissance. Requirements for reconnaissance. 3. Reconnaissance capabilities of units (subunits). 4. Reconnaissance units and their capabilities to perform tasks. Conventional designations of reconnaissance units and methods of conducting reconnaissance. 5. Methods of conducting military reconnaissance. 6. Features of combat missions.
Topic title 2. Organisation of the Surveillance System.					
2.	Group session	4	2	2	Lesson 1: Observation post. 1. Purpose, composition and tasks of the observation post. Duties of the officials of the observation post. Choice of location, types of observation posts. Equipment and camouflage of the SP based on combat experience. 2. Capabilities of intelligence units (intelligence agencies) to identify JVs. 3. Organisation of the surveillance system in the unit, coordination and interaction between the JF of the branches of the armed forces.
3.	Group session	2	2		Lesson 2: Technical means of reconnaissance of brigade reconnaissance units (RU). 1. Purpose, main technical specifications and reconnaissance capabilities of reconnaissance vehicles. 2. Purpose, main specifications and reconnaissance capabilities of reconnaissance and signalling equipment. 3. Purpose, main specifications and reconnaissance capabilities of the UAV 4. Combat use of technical intelligence means in the complex organisation of intelligence.
TOTAL		12	8	4	

MS 4. ENGINEER SUPPORT

1. The general purpose of the discipline (subject of study):

The discipline may be taught in the following ways:

in classrooms - during courses directly at a higher military educational institution;

in a mixed form of education (distance learning combined with traditional education) - during online learning without interrupting the performance of their functional duties at the place of service at the first stage, but the assessment of cadets for the discipline as a whole affects the further direct training of cadets in courses at a higher military educational institution, which is carried out at the second stage of training.

The aim of teaching the discipline "Engineer training" is to:

formation of general competences and general professional competences in the speciality in accordance with the requirements of educational and professional programmes (standard of higher military education) for the training of military specialists, in readiness for their use, skills and abilities in the performance of official (combat) functions and tasks on the use of units in the main types of combat operations.

As a result of studying the discipline, cadets should:

know:

goals and objectives of engineer support during combat missions;

technical characteristics of the main models of engineer weapons, rules of their operation, storage and procedure for their use in the performance of engineer support tasks;

the procedure for organising and marching units, positioning them in place, using the protective and camouflage properties of the terrain;

be able to:

organise the performance of engineer support tasks for the unit in various types of combat and compliance with mine safety requirements.

2. Organisational and methodological instructions:

2.1. Features of the methodology of conducting lessons:

The methodology of teaching a discipline is based on the basic principles of didactics (theory of reasoning and learning). It provides a scientific and pedagogical description of the forms and methods of teaching, indicates the most appropriate combinations to achieve a certain level of learning, and determines the conditions for their most effective use.

To achieve the main learning objective, the programme provides for the following forms of learning:

Frontal learning, when all cadets perform the same task at the same time under the supervision of a teacher;

group form of training, when cadets are combined into groups (departments) depending on the staffing structure of the unit, which work in parallel;
individual form of training (during the e-learning form), when cadets complete tasks sequentially, one by one.

At the same time, depending on the need to achieve the levels of knowledge or skill, the teacher should use the following methods:

verbal and visual;

training;

situational and cognitive.

A verbal and visual method in which the teacher systematically and consistently presents the educational material, shows (demonstrates) the subjects studied in order for cadets to gain new knowledge and form the appropriate imagination.

The training (reproductive) method consists in performing complex actions in accordance with an algorithm (pre-established procedure) determined by the training leader to develop the necessary skills and ensure the coherence of military organisational structures.

Situational and cognitive - in reviewing and discussing real (probable) actions, learning about the experience of commanding troops (forces) in military conflicts and developing skills in information and analytical activities.

The above methods provide cadets with knowledge, skills, and abilities, but to develop their creative abilities, the group leader should use problem-based learning methods.

Problem-based teaching is when the group leader poses a problem to the cadets, solves it himself, but at the same time shows the ways of solving it, reveals the course of his thought. The immediate result of problem-based teaching should be that the student learns the method and logic of solving a particular problem, but not yet the ability to apply it independently. This method teaches cadets how to search for knowledge and helps them develop creative thinking skills.

The search (heuristic) method (in the e-learning form) serves the purpose of gradually bringing cadets closer to solving problems on their own by first teaching them how to perform certain elements of the solution. It is used in group sessions when the method of finding the optimal solution is determined by the group leader, but the solution is found by the student.

Problem-based methods provide a deep assimilation of knowledge at the level of its creative application, mastery of creative thinking methods, and practical experience.

During the online lecture, cadets are assigned tasks in accordance with the requirements of the online course.

when conducting group sessions:

A group session is a type of training session during which the teacher presents new educational material in a verbal and visual way, controls the cadets' learning of this material by questioning them and helps to consolidate it.

Group sessions are held to enable cadets to study in detail the issues and problems discussed in lectures and to consider in detail topical issues of the course material. The main teaching methods are explanation with demonstration and discussion. Technical means of information transmission, tables, diagrams, slides, diagrams and posters should be used to ensure visualisation during the lessons.

During the online group assignment, cadets are assessed on the basis of their test (individual) tasks in accordance with the requirements of the developed online course.

when organising independent work:

Independent work should be carried out with the aim of working out and mastering the educational material; consolidating and deepening knowledge, skills and abilities; preparing for the next lessons and control measures; forming a culture of mental work, independence and initiative in the search, acquisition and enrichment of knowledge among cadets.

Independent work should be provided with educational literature, study guides, assignments and methodological recommendations. All teaching and learning materials should have electronic versions. Methodological materials for independent work should provide for the possibility of self-control.

The study of independent work issues that are studied during the online course, the definition of individual tasks are performed in accordance with the requirements of the developed online course.

2.2. Frequency and peculiarities of current control, the general procedure for determining the score for current control:

An integral part of the process of professional development of officers at tactical level logistics courses (L-1C L) is a system of monitoring and reporting on the quality of learning. The main purpose of the control is to ensure the scientific level of the acquired knowledge and the strength of the skills and abilities developed. The following control methods are used in the teaching of the discipline "Engineer Training":

entrance control;

current control;

self-control;

The number of control measures, forms of their implementation, and frequency are communicated to cadets at the beginning of the discipline.

Entrance control is carried out before the study of the discipline in order to study the level of training of course participants and make changes to the content of the educational issues to be considered during the lesson.

Current control is carried out by teachers at all types of lessons.

The main purpose of the current control is to provide feedback between teachers and cadets in the learning process, to check the cadets' readiness to complete the next learning tasks, and to manage their learning motivation. The information obtained during the current control is used to adjust the methods and means of teaching, as well as for cadets' independent work.

Ongoing control can be carried out in the form of an oral survey or a written express control (flyer) during training sessions, as well as in the form of computer testing.

The results of the current control are recorded in the training logbook and are used and taken into account during the final control.

Self-control is intended for cadets' self-assessment of the quality of learning material on a specific topic of the discipline. Self-control is carried out in the form of control questions on the topic or testing on a computer.

2.3 Logistical support

Lessons should be held in a specialised classroom, which should be equipped with personal electronic computing equipment at the rate of one workstation per two cadets. It is mandatory to use technical training aids during the training sessions.

2.4 Information and methodological support

1. Combat Statute of the Mechanised and Tank Troops of the Land Forces of the Armed Forces of Ukraine, Part III (platoon, section, crew) / K.: Varta, 2016. 299 p.
2. Combat Statute of the Mechanized and Tank Troops of the Land Forces of the Armed Forces of Ukraine, Part II (Battalion, Company) / K.: Varta, 2016. - 309 p.
3. Combat Statute of the Artillery of the Armed Forces of Ukraine, Part II (Division, Battery, Platoon, Gun) / K.: Varta, 2017. 197 p.
4. Danilov D.D., Ftemov Y.O., Kolos R.L., Rastryhin O.O., Pavliuchyuk V.P., Neshchadin O.V., Baranov Y.M., Shvets O.O., Malyuk V.M., Melnyk V.I. Engineer training. Study guide. - Lviv: NASV, 2017. - 503 p.
5. Nagachevsky V.Y., Femov Y.O., Sayevich Y.Y., Sapiga R.I., Yasko V.A. Organisation of field water supply: Study guide. – Lviv: DIA, 2011. 102 p.
6. Training kit for units (subdivisions) of the Armed Forces of Ukraine and a conditional enemy: a manual / [Syvak O.I., Pohnatiuk S.V., Ozharevskyi V.A. et al.

7. Genyk V.M., Demidchuk F.A. Combat use of units and subunits of the engineer troops of the Armed Forces of Ukraine: Study guide. - Kamianets-Podilskyi: Kamianets-Podilskyi Ivan Ohienko National University, 2011. 100 p.
8. Engineer Troops of the Armed Forces of Ukraine / [edited by Vorobiev V.S.] - Kyiv: Ludoprint Ukraine, 2002. 192 p.
9. Collection of Standards for Combat Training of the Land Forces of the Armed Forces of Ukraine - Kyiv: Military Publishing House, 2000. 125 p.
10. Order of the General Staff No. 1 of 04 January 2017. On Approval of the Guidelines on Subversive (Explosive) Activities in the Armed Forces of Ukraine. - Kyiv, 2017. - 320 p.
11. Order of the General Staff No. 2 of 4 January 2017. On Approval of the Guidelines for the Use of Engineered Ammunition by the Units of the Armed Forces of Ukraine. - Kyiv, 2017. - 331 p.
12. Order of the Ministry of Defence of Ukraine No. 330 of 10 July 2015 on approval of the guidelines for the construction of engineer barriers by the units of the Ministry of Defence of Ukraine and the Armed Forces of Ukraine.
13. Order of the National Guard of Ukraine No. 390 of 19 October 2016 on the approval of the guidelines for overcoming engineer obstacles by units of the Ministry of Defence of Ukraine.
14. Order of the General Staff No. 161 of 19 April 2018 on approval of the instruction on the rules of conduct for servicemen in the area with explosive objects and compliance with mine safety measures.
15. Equipment, procedure of service by personnel at checkpoints and response to possible threats. Collection of materials based on the telegram of the Head of the Combat Training Department of the Land Forces Command of the Armed Forces of Ukraine No. 116/7/2/6237 of 01.07.2014. 19 p.
16. Improvised explosive devices. Kamianets-Podilskyi: 2012. - 52 p.
17. Experience of using military units and subdivisions of the Armed Forces of Ukraine in the course of combat operations (clause 3.6 Experience of countering mine explosive devices). Information Bulletin No. 360/741 of 13 December 2017.
18. Guidelines for engineer equipment of defence areas (strongholds and positions), base camps, checkpoints - Kyiv 2018, -127 p.
19. Guidelines for the implementation of engineer measures for camouflage of troops and objects, - Kyiv 2018, -131 p.
20. Order of the National Guard of Ukraine No. 230 of 25 June 2019 on approval of the Temporary Guidelines on Engineer Support of the Armed Forces of Ukraine.
21. Doctrine on Engineer Support for the Use of Troops (Forces) VKP 10-24(04).01 No. 214 NVGSh/DSK of 28.10.2020 - 34 p.
22. Guidance on countering improvised explosive devices. Order of the Commander of the Support Forces of 06.08.2021 No. 53 - 33 p.

Information resources

23. Official website of the Ministry of Defence of Ukraine: <http://www.mil.gov.ua/>.
24. Military Doctrine of Ukraine. Decree of the President of Ukraine No. 555/2015// [Electronic resource]: <http://www.president.gov.ua/documents/5552015-19443>.
25. National Security Strategy of Ukraine. Decree of the President of Ukraine of 26 May 2015 No. 287/2015// [Electronic resource]: <http://zakon2.rada.gov.ua/laws/show/287/2015>.

3. Titles of topics and allocation of lesson time by type of lesson

№ s/n	Types of training sessions, control measures	Total hours	Among them		Topic title and learning points
			Contact hours	Independent works	
1	2	3	4	5	6
Topic title 1: Organisation of Engineer Support Tasks.					
1	Group session	3	2	1	Lesson 1: Goals and objectives of engineer support. 1. Engineer support tasks. 2. Organisation of engineer support tasks for a combined arms battle.
2	Group session	3	2	1	Lesson 2: Fortification of positions, strongholds and areas where units are located. 1. Priority of works on the fortification equipment of the company stronghold. 2. The work of the company commander in organising the engineer equipment of the stronghold. 3. Calculations on the fortification of areas, boundaries and positions and areas of deployment of control points.
3	Group session	3	2	1	Lesson 3: Implementation of engineer measures to camouflage and protect troops from IEDs. 1. Purpose and methods of camouflage. 2. Protection of weapons and military equipment from VTZ. 3. 3. Service camouflage equipment.
Topic title 2: Installation and Maintenance of Engineer Barriers.					
4	Group session	3	2	1	Lesson 1: Non-explosive engineer barriers. 1. Types of non-explosive barriers. 2. Ways to overcome non-explosive barriers.
5	Group session	4	2	2	Lesson 2: Anti-personnel anti-tank explosive devices. 1. Purpose, classification of anti-personnel explosive devices. Characteristics, structure, principle of operation of anti-personnel explosive devices OZM-72, MON-50, MON-90, MON-100, MON-200.

					2. Purpose, classification of anti-tank mines. Characteristics, structure, principle of operation of anti-tank mines TM-62M, TM-62P3, TM-72, TM-83, PTM-3. 3. Methods of installing anti-personnel and anti-tank minefields.
6	Group session	2	2		Lesson 3. Mine safety. 1. Reconnaissance, means and methods of overcoming anti-tank and anti-personnel obstacles. 2. Checking the area for minefields using the 5/25 method 3. Classification and main types of IEDs, their placement and methods of camouflage.
Topic title 3: Engineer Support of a Company in Various Types of Combat.					
7	Group session	4	2	2	Lesson 1: Engineer support of a company's march. 1. Perform the main tasks of engineer support of the company's march. 2. Organisation of engineer support for the company's march.
8	Group session	4	2	2	Lesson 2: Organisation of engineer support for a company's defensive battle. 1. Tasks of engineer support of a company in defence. 2. The work of a company commander in organising engineer support for defence.
9	Group session	4	2	2	Lesson 3: Organisation of engineer support for company offensive combat. 1. Tasks of engineer support of the company in the offensive. 2. The work of the company commander in organising engineer support for the offensive.
TOTAL		30	18	12	

MS 5. MEDICAL SUPPORT OF UNITS

1. The general purpose of the discipline (subject of study):

The discipline may be taught in the following ways:

in classrooms - during courses directly at a higher military educational institution;

in a mixed form of education (distance learning combined with traditional education) - during online learning without interrupting the performance of their functional duties at the place of service at the first stage, but the assessment of cadets for the discipline as a whole affects the further direct training of cadets in courses at a higher military educational institution, which is carried out at the second stage of training.

The aim of teaching the discipline "Medical support of units" is:

formation of general competences and general professional competences in the speciality in accordance with the requirements of educational and professional programmes (standard of higher military education) for the training of military specialists, in readiness for their use, skills and abilities in the performance of official (combat) functions and tasks on the use of units in the main types of combat operations.

As a result of studying the discipline, cadets should

know:

the basic procedure for organising the management bodies of the medical service to maintain the constant combat readiness of its units, their training and readiness for medical support of combat operations;

the main documents on the organisation of medical support for troops and the Standard of Training in Tactical Medicine I-ST-3 (2015 edition) and the organisation of evacuation of the wounded.

be able to:

to supervise medical service representatives in the performance of their tasks.

to use professionally specialised knowledge and practical skills in individual actions or actions as part of small groups in the territory occupied by the enemy.

to support the vital activity of a serviceman in autonomous conditions in various physical and geographical conditions during combat missions.

2. Organisational and methodological instructions:

2.1. Features of the methodology of conducting lessons:

The methodology of teaching a discipline is based on the basic principles of didactics (theory of reasoning and learning). It provides a scientific and pedagogical description of the forms and methods of teaching, indicates the most appropriate combinations to achieve a certain level of learning, and determines the conditions for their most effective use.

To achieve the main learning objective, the programme provides for the following forms of learning:

frontal form of training, when all cadets perform the same task at the same time under the supervision of a teacher;

group form of training, when cadets are combined into groups (departments) depending on the staffing structure of the unit, which work in parallel;
individual form of learning (in the case of distance learning), when cadets complete tasks sequentially, one by one.

At the same time, depending on the need to achieve the levels of knowledge or skill, the teacher should use the following methods:

verbal and visual;

training;

situational and cognitive.

A verbal and visual method in which the teacher systematically and consistently presents the educational material, shows (demonstrates) the subjects studied in order for cadets to gain new knowledge and form the appropriate imagination.

The training (reproductive) method consists in performing complex actions in accordance with an algorithm (pre-established procedure) determined by the training leader to develop the necessary skills and ensure the coherence of military organisational structures.

Situational and cognitive - in reviewing and discussing real (probable) actions, learning about the experience of commanding troops (forces) in military conflicts and developing skills in information and analytical activities.

The above methods provide cadets with knowledge, skills, and abilities, but to develop their creative abilities, the group leader should use problem-based learning methods.

Problem-based teaching is when the group leader poses a problem to the cadets, solves it himself, but at the same time shows the ways of solving it, reveals the course of his thought. The immediate result of problem-based teaching should be that the student learns the method and logic of solving a particular problem, but not yet the ability to apply it independently. This method teaches cadets how to search for knowledge and helps them develop creative thinking skills.

The search (heuristic) method (in distance learning) serves the purpose of gradually bringing cadets closer to solving problems on their own by first teaching them how to perform certain elements of the solution. It is used in group sessions when the method of finding the optimal solution is determined by the group leader, but the solution is found by the student.

Problem-based methods provide a deep assimilation of knowledge at the level of its creative application, mastery of creative thinking methods, and practical experience.

during lectures:

A lecture is the main type of training session designed to teach the theoretical material of a topic.

The main purpose of the lecture is to systematise the foundations of scientific knowledge and practical experience on the topic, the state and prospects of development of management science, theory and practice of military leader's management activities, to focus on the most complex and nodal issues of the educational material. The lecture should be problem-based, stimulate active cognitive activity of cadets, and promote creative thinking. In order to enhance the cognitive activity of servicemen and to develop their creative thinking, technical teaching aids should be skilfully used during lectures in combination with active forms and methods of lecturing. Lessons should be conducted by the method of oral presentation of educational material, with individual questions and educational elements worked out in the form of a dialogue between the teacher and the cadets and by asking them problematic questions.

During the online lecture, cadets are assigned tasks in accordance with the requirements of the online course.

when conducting group sessions:

A group lesson is a type of training session during which the teacher presents new educational material in a verbal and visual way, controls the cadets' learning of this material by questioning them and helps to consolidate it.

Group sessions are held to enable cadets to study in detail the issues and problems discussed in lectures and to consider in detail topical issues of the course material. The main teaching methods are explanation with demonstration and discussion. Technical means of information transmission, tables, diagrams, slides, diagrams and posters should be used to ensure visualisation during the lessons.

During the group assignment in the online format, the cadets are assessed on the basis of their test (individual) tasks in accordance with the requirements of the developed online course.

during practical sessions:

A practical session is a type of training session during which a research and teaching (pedagogical) employee organises the mastering of theoretical provisions of the discipline by cadets through the performance of specially formulated tasks and promotes the development of skills and abilities to apply these theoretical provisions in practice.

A practical session is a form of training in which cadets practically work on educational issues, the instructor monitors the learning of previously studied material and seeks to consolidate it, and the instructor uses creative recommendations to guide the independent work of cadets. Therefore, the practical session is one of the most important types of training sessions with cadets.

During the practical session in the online format, cadets are assessed based on the results of completing tasks on filling in the documents of daily activities, in accordance with the requirements of the developed online course.

when organising independent work:

Independent work should be carried out with the aim of working out and mastering the educational material; consolidating and deepening knowledge, skills and abilities; preparing for the next lessons and control measures; forming a culture of mental work, independence and initiative in the search, acquisition and enrichment of knowledge among cadets.

Independent work should be provided with educational literature, study guides, assignments and methodological recommendations. All teaching and learning materials should have electronic versions. Methodological materials for independent work should provide for the possibility of self-control.

The study of educational issues of independent work, which are studied in the online format, and individual tasks are performed in accordance with the requirements of the developed online course.

2.2. Frequency and peculiarities of current control, the general procedure for determining the score for current control:

An integral part of the process of professional development of officers at tactical level logistics courses (L-1C L) is a system of monitoring and reporting on the quality of learning. The main purpose of the control is to ensure the scientific level of the acquired knowledge and the strength of the skills and abilities developed. The following control methods are used in the teaching of the discipline "Medical Support of Units":

entrance control;

current control;

self-control;

The number of control measures, forms of their implementation, and frequency are communicated to cadets at the beginning of the discipline.

Entrance control is carried out before the study of the discipline in order to study the level of training of course participants and make changes to the content of the educational issues to be considered during the lesson.

Current control is carried out by teachers at all types of lessons.

The main purpose of the current control is to provide feedback between teachers and cadets in the learning process, to check the cadets' readiness to complete the next learning tasks, and to manage their learning motivation. The information obtained during the current control is used to adjust teaching methods and tools, as well as for cadets' independent work.

Ongoing control can be carried out in the form of an oral survey or a written express control (flyer) during training sessions, as well as in the form of computer testing.

The results of the current control are recorded in the training logbook and are used and taken into account during the final control.

Self-control is intended for cadets' self-assessment of the quality of learning material on a specific topic of the discipline. Self-control is carried out in the form of control questions on the topic or testing on a computer.

2.3 Logistical support

Lessons should be held in a specialised classroom, which should be equipped with personal electronic computing equipment at the rate of one workstation per two cadets. It is mandatory to use technical training aids during the training sessions.

2.4 Information and methodological support

17. The Combat Statute of the Mechanised and Tank Troops of the Armed Forces of Ukraine, Part II (Battalion, Company). - K.: KSV UKRAINIAN ARMED FORCES, 2016.

18. The Doctrine of the Medical Forces of the Armed Forces of Ukraine, 2020, VKP 4-35(36).01.

19. Training standard I-ST-3 (edition 2). Tactical Medicine Training for Military Personnel - K.: Lesya Publishing House, 2015.

20. Standard of training Professional training of a company (battery) sanitary instructor (edition 1) - K.: Lesya Publishing House, 2015.

21. Management of the daily activities of the medical service / Edited by Professor Badiuk M.I. - K.; MP Lesya, 2012.

22. Planning of medical support of tactical level military units / Badiuk M.I., Solyarik V.V. et al; edited by Badiuk M.I. - K.: SPD Chalchynska N.V., 2020.

23. Organisation of medical support for troops / Edited by Professor Pasko V.V. - K.: MP Lesya, 2005.

24. Pre-hospital care in the conditions of hostilities: Methodological manual, Kryliuk V.O., Gudyma A.A. et al. K., 2014.

25. Handbook of Operational and Tactical Calculations for Medical Support of the Armed Forces of Ukraine, 2020, OP 4-35(36.01

26. Emergency medical care for servicemen at the pre-hospital stage in armed conflicts: a textbook / Badiuk , Mykyta O.Ota et al; edited by Professor Badiuk M.I. - K.: SPD Chalchynska N.V., 2018.

Information resources

27. Official website of the Ministry of Defence of Ukraine: <http://www.mil.gov.ua/>.

28. Online primary health care course: <http://1staidplast.org.ua/>

29. Medsanbat, a project of Victor and Elena Pinchuk: <http://www.medsanbat.info/>

30. Electronic Library of the IA (Odesa) → Department of Tactical and General Military Education → BSEE (including military medical training)

3. Titles of topics and distribution of study time by type of study session

№ s/n	Types of training sessions, control measures	Total hours	of them		Topic title and learning points
			Contact hours	Independent work	
Topic title 1: Medical Support for Company and Battalion					
1	Lecture 1/1	2	2		Lesson 1: Fundamentals of medical service management <ol style="list-style-type: none"> 1. Definition of the concept and basic principles of medical service management, its content. Requirements for medical service management. 2. The methods and sequence of work of the head of the unit's medical service in making a decision, the procedure for its execution. 3. Setting tasks for subordinates and monitoring their performance.
2	Lecture 1/2	4	2	2	Lesson 2: Organisation of the medical service of a mechanised battalion <ol style="list-style-type: none"> 1. Tasks and organisational structure of the medical service of a mechanised battalion. 2. Organisation of medical and evacuation support. 3. Organisation of sanitary and hygienic and anti-epidemic support.
3	Group session 1/4	4	2	2	Lesson 3: Peculiarities of providing medical care at the pre-hospital stage in the context of hostilities <ol style="list-style-type: none"> 1. The main activities of the medical service of a mechanised battalion in preparation for a combat engagement. 2. The basic tactical principles of medical support in the immediate contact zone.
4	Group session 1/6	4	2	2	Lesson 4. Organising the management of the medical service of a mechanised battalion in defensive combat <ol style="list-style-type: none"> 1. The main characteristics of modern combined arms combat. 2. The work of a battalion medical officer in the preparatory period for a defensive battle.

5	Practical session 1/8	4	2	2	Lesson 5. Organisation of tactical medicine in a unit. 1. Basic principles of first aid 2. Algorithms for providing first aid depending on the tactical situation (in the sector of fire and shelter).
6	Group session 1/10	4	2	2	Lesson 6. Organisation of first aid. Personal medical equipment for military personnel. 1. Personal medical equipment (standard and nonstandard). 2. Providing first aid in combat (sectors of fire and shelter) and non-combat conditions
7	Group session 1/12	4	2	2	Lesson 7. Organisation and conduct of sanitary and hygienic and anti-epidemic measures 1. Organisation of sanitary and hygienic and anti-epidemic measures in the troops 2. Anti-epidemic measures for modern respiratory and intestinal infections 3. Organising and conducting vaccinations according to epidemic indicators
8	Control lesson	4	4		Control lesson
TOTAL		30	18	12	

MS 6. FIRE CONTROL

1. The general purpose of the discipline (subject of study):

The discipline may be taught in the following ways:

in classrooms - during courses directly at a higher military educational institution;

in a mixed form of education (distance learning combined with traditional education) - during online learning without interrupting the performance of their functional duties at the place of service at the first stage, but the assessment of cadets for the discipline as a whole affects the further direct training of cadets in courses at a higher military educational institution, which is carried out at the second stage of training.

The aim of teaching the discipline "Fire management" is to:

formation of general competences and general professional competences in the speciality in accordance with the requirements of educational and professional programmes (standard of higher military education) for the training of military specialists, in readiness for their use, skills and abilities in the performance of official (combat) functions and tasks on the use of units in the main types of combat operations.

As a result of studying the discipline, cadets should:

know:

the main provisions of the rules of engagement, rules of fire and fire control of ground artillery (division, battery, platoon, gun), the Artillery Training Course of the Armed Forces of Ukraine, experience of combat operations in modern armed conflicts, taking into account the norms of international humanitarian law during combat missions;

classification of artillery, tasks for artillery units, types of fire and the order of fire destruction of the enemy;

basics of artillery unit management in various types of combat;

the procedure for organising the call and adjustment of fire.

be able to:

plan, organise and apply combat skills of the unit (by types, branches of the Armed Forces of Ukraine and other military formations established in accordance with the laws of Ukraine);

manage an artillery unit in various types of combat.

2. Organisational and methodological guidelines

2.1. Peculiarities of the methodology of conducting lessons

during a lecture session:

A lecture is the main type of training session designed to teach theoretical material of a topic.

The main purpose of the lecture is to systematise the basis of scientific knowledge and practical experience on the topic, the state and prospects of development of management science, theory and practice of military leader's management activities, to focus on the most complex and nodal issues of the educational material. The lecture should be problem-based, stimulate active cognitive activity of cadets, and promote creative thinking. In order to enhance the cognitive activity of servicemen and to develop their creative thinking, technical teaching aids should be skilfully used during lectures in combination with active forms and methods of lecturing. Lessons should be conducted by the method of oral presentation of educational material, with individual questions and educational elements worked out in the form of a dialogue between the teacher and the cadets and by asking them problematic questions.

During the online lecture, cadets are assigned tasks in accordance with the requirements of the developed online course.

when conducting a group lesson:

A group lesson is a type of training session during which the teacher presents new educational material in a verbal and visual way, controls the cadets' learning of this material by questioning them and helps to consolidate it.

Group sessions are held for the purpose of detailed study of questions and problems by the cadets, consideration of topical issues of the training material. The main teaching methods are explanation with demonstration and discussion. To ensure clarity, technical means of transmitting information, tables, diagrams, slides, video clips and posters should be used during the lessons.

when organising independent work:

Independent work should be carried out with the aim of working out and mastering the educational material; consolidating and deepening knowledge, skills and abilities; preparing for the next lessons and control measures; forming a culture of mental work, independence and initiative in the search, acquisition and enrichment of knowledge among cadets.

Independent work should be provided with educational literature, study guides, assignments and methodological recommendations. All teaching and learning materials should have electronic versions. Methodological materials for independent work should provide for the possibility of self-control.

The study of the educational issues of independent work, which are studied during the online course, and the determination of individual tasks are carried out in accordance with the requirements of the developed online course.

2.2. Frequency and peculiarities of current control, the general procedure for determining the score for current control:

An integral part of the process of professional development of officers at tactical level logistics courses (L-1C L) is a system of monitoring and

reporting on the quality of learning. The main purpose of the control is to ensure the scientific level of the acquired knowledge and the strength of the skills and abilities developed. The following control methods are used in teaching the discipline Fire Control:

entrance control;

self-control;

final control.

The number of control measures, forms of their implementation, and frequency are communicated to cadets at the beginning of the discipline.

Entrance control is carried out before the study of the discipline in order to study the level of training of course participants and make changes to the content of the educational issues to be considered during the lesson.

Self-control is intended for cadets' self-assessment of the quality of learning material on a specific topic of the discipline. Self-control is carried out in the form of control questions on the topic or testing on a computer.

The final control is carried out in the form of a comprehensive examination within the period established by the schedule of the educational process and in the amount of educational material determined by the programme of the discipline.

When taking courses directly at a higher military educational institution, cadets who have completed the full course of study provided for by this programme are allowed to take the comprehensive exam.

To conduct the comprehensive examination, an examination board is appointed by order of the Head of the Academy, which includes representatives of the Military Academy who have a relevant military accounting speciality.

2.3 Logistical support

Lessons should be held in a specialised classroom, which should be equipped with personal electronic computing equipment at the rate of one workstation per two cadets. It is mandatory to use technical training aids during the training sessions.

2.4 Information and methodological support

The main guiding documents for the teacher in preparing for lessons on the topics of the discipline are:

1. Combat Statute of the Mechanised and Tank Forces of the Land Forces of the Armed Forces of Ukraine, Part II (battalion, company). Order of the AFU CSR of 30.12.2016 No. 605 as amended: 11.11.2017 No. 564; 02.08.2018 No. 454. MoD, CSR of the Armed Forces of Ukraine.

2. Combat Statute of the Mechanised and Tank Troops of the Land Forces of the Armed Forces of Ukraine, Part III (platoon, section, crew). Order of the AFU CSR of 25.05.2016 No. 238 as amended on 11.11.2017 No. 564. MoD, CSR of the Armed Forces of Ukraine - Kyiv - 2016.
3. Combat Statute of the Artillery of the Armed Forces of Ukraine, Part II (division, battery, platoon, gun). NGS of the Armed Forces of Ukraine. 2017.
4. Rules of engagement and fire control of ground artillery (division, battery, platoon, gun). Ministry of Defence of Ukraine. NGS OF THE ARMED FORCES OF UKRAINE. 05.01.2018.
5. Artillery Training Course of the Armed Forces of Ukraine (KPA-2020). Brigade, division, battery, platoon, gun. Ministry of Defence of Ukraine NQSV AFU 2020. Kyiv - 2020.
6. Guidelines for the combat work of artillery fire units. MINISTRY OF DEFENCE OF UKRAINE. NGS OF THE ARMED FORCES OF UKRAINE. 03.01.2019 p. №6. Lviv, 2019. Ministry of Defence of Ukraine.
7. Actions of the control platoon in combat: a textbook / P.E. Trofimenko, Y.I. Pushkarev, O.V. Panchenko, S.P. Latin - Sumy: Sumy State University Publishing House, 2011.
8. Handbook of an officer of an artillery unit. - Sumy: Sumy State University, 2013.
9. Artillery firing. Makeiev V.I. - Sumy: Sumy State University, 2010.

Information resources

10. Official website of the Ministry of Defence of Ukraine: <http://www.mil.gov.ua/>.

3. Titles of topics and distribution of study time by type of lesson

№ s/n	Types of training sessions, control measures	Total hours	Among them		Topic title and learning points
			Contact hours	Independent work	
1	2	3	4	5	6
Topic title 1. Combat Employment of Artillery Units					
1.	Lecture 1/1	4	2	2	Lesson 1: Combat employment of artillery units based on combat experience. 1. Purpose, composition and tasks of artillery in different types of combat. 2. Fire damage to the enemy. Types of artillery fire. 3. Combat order of artillery units.
Topic title 2. Fire Control					
2.	Group session 2/1	4	2	2	Lesson 1. Artillery fire control. 1. Objectives. 2. Call for artillery fire. 3. Adjustment of fire.
TOTAL		8	4	4	

MS 7. LEADERSHIP

1. General purpose of the discipline:

The aim of teaching the discipline "Leadership" is to:

improving leadership skills, developing character and professionalism, achieving excellence and basic competencies of military leaders;

Improvement of personal skills of course participants in solving tasks and performing duties;

Developing practical skills in mastering knowledge in other areas of professional activity, searching for, analysing and critically evaluating information from various sources;

Developing creative thinking and organisational skills in the cadets of the course, which ensure the quality of tasks in the course of daily activities of the units.

As a result of studying the discipline, cadets should:

know:

requirements for organising and conducting internal communication work in the unit;

basic requirements and methodology for conducting formal and informal APD in the unit;

models and features of situational leadership in a military unit;

effective forms and methods of resolving interpersonal conflicts in a military unit.

be able to:

skilfully use methods of stress neutralisation and emotional and volitional self-regulation techniques;

use methods of effective prevention of deviant and suicidal behaviour of servicemen and women, prevention and resolution of conflicts in the service (unit);

organise and conduct internal communication work within the unit with local authorities and the local population;

take measures to maintain an adequate level of moral and psychological state of personnel;

to form an effective combat team and maintain its readiness to perform combat missions;

Identify and develop the leadership skills of personnel;

establish interaction with the media.

2. Organisational and methodological instructions:

2.1. Features of the methodology of conducting lessons:

The methodology of teaching a discipline is based on the basic principles of didactics (learning theory). It provides a scientific and pedagogical description of the forms and methods of teaching, indicates the most appropriate combinations to achieve a certain level of learning, and determines the conditions for their most effective use.

To achieve the main learning objective, the programme provides for the following forms of learning:

frontal form of training, when all cadets perform the same task at the same time under the supervision of a teacher;

group form of training, when cadets are combined into groups (departments, teams), depending on the staffing structure of the unit, which work in parallel;

individual form of study (in the case of distance learning), when cadets complete tasks sequentially, one by one.

At the same time, depending on the need to achieve the levels of knowledge or skills, the teacher should use the following methods:

verbal and visual;

training;

situational and cognitive (problematic);

search (heuristic).

A verbal and visual method in which the teacher systematically and consistently communicates the educational material, while using demonstrations to help cadets gain new knowledge and form the appropriate imagination.

The training (reproductive) method consists of performing complex actions in accordance with an algorithm (pre-established procedure) determined by the training leader to develop the necessary skills and ensure the coherence of military organisational structures (units).

The situational and cognitive (problem-based) course involves consideration and discussion of real (probable) actions, familiarisation with the experience of commanding troops (forces) in military conflicts and problem solving, and development of information and analytical skills.

The above methods provide cadets with knowledge, skills, and abilities, but to develop their creative abilities, the group leader should use problem-based learning methods.

Problem-based teaching involves posing a problem to the cadets and solving it, but the teacher shows the ways to solve it and reveals the course of his/her thought. The immediate result of problem-based teaching should be that the student learns the method and logic of solving a particular problem, but not yet the ability to apply it independently. This method teaches cadets how to search for knowledge, and with its help, they acquire creative thinking skills.

Problem-based methods provide a deep learning of knowledge at the level of its creative application, mastering the methods of creative thinking and practical experience.

The search (heuristic) method (in distance learning) serves the purpose of gradually bringing cadets closer to solving problems on their own through preliminary training and implementation of individual elements of the solution. This method is used in group sessions, when the way to find the optimal solution is determined by the group leader, but the solution is found by the student.

during lectures:

A lecture is the main type of training session designed to teach theoretical material of a topic.

The main purpose of the lecture is to systematise the foundations of scientific knowledge and practical experience on the topic, the state and prospects of development of management science, theory and practice of military leader's management activities, to focus on the most complex and nodal issues of the educational material. The lecture should be problem-based, stimulate active cognitive activity of cadets, and promote creative thinking. In order to enhance the cognitive activity of servicemen and to develop their creative thinking, technical teaching aids should be skilfully used during lectures in combination with active forms and methods of teaching the educational material. Lessons should be conducted by the method of oral presentation of educational material, with individual questions and educational elements worked out in the form of a dialogue between the teacher and the and by asking them problematic questions.

During the online lecture, cadets are assigned tasks in accordance with the requirements of the developed online course.

when conducting group sessions:

A group session is a type of training session during which the teacher presents new educational material in a verbal and visual way, controls the cadets' learning of this material by questioning them and helps to consolidate it.

Group sessions are held for the purpose of detailed study by cadets of the issues and problems discussed in lectures and detailed consideration of topical issues of the educational material. The main teaching methods are explanation with demonstration and discussion. Technical means of information and visualisation (tables, diagrams, slides, diagrams and posters) should be used to ensure clarity during the lessons.

During the online group assignment, cadets are assessed on the basis of their test (individual) tasks in accordance with the requirements of the developed online course.

during the roundtable discussion:

A round table is a form of public discussion or coverage of educational (problematic) issues, when participants speak in a certain order or discuss problems with equal rights of participants. The purpose of the roundtable is to discuss existing issues with the subsequent preparation of proposals to address these issues.

The roundtable should be aimed at consolidating and deepening the knowledge gained during lectures and group sessions, as well as during independent work, and at developing the skills to solve problematic issues that arise in the daily work of officers.

During the online roundtable, cadets are assessed on the basis of their presentation on the issues identified for discussion in accordance with the requirements of the online course.

when organising independent work:

Work independently with a purpose:

practice and mastery of the training material;

consolidation and deepening of knowledge, skills and abilities;

preparing for the next lessons and control activities;

Developing a culture of mental work, independence and initiative in the search for, acquisition and enrichment of knowledge among cadets.

Independent work should be provided with teaching and learning materials (textbooks, manuals, assignments and guidelines). All teaching and learning materials should have electronic versions. Methodological materials for independent work should provide for the possibility of self-control.

Study of the educational issues of independent work, which are studied during the online lessons, are determined by individual tasks and performed in accordance with the requirements of the developed online course.

2.2. Frequency and peculiarities of current control, the general procedure for determining the score for current control:

An integral part of the process of professional development of officers at the courses of tactical-level intelligence units (L-1C L) is the system of control and reporting on the quality of learning. The main purpose of the control is to ensure the scientific level of the acquired knowledge and the strength of the skills and abilities developed. The following control methods are used in teaching the discipline "Leadership":

entrance control;

current control;

self-control;

final control.

The number of control measures, forms of their implementation, and frequency are communicated to cadets at the beginning of the discipline.

Entrance control is carried out before the study of the discipline in order to study the level of training of course participants and make changes to the content of the educational issues to be considered during the lesson.

Current control is carried out by teachers at all types of lessons.

The main purpose of the current control is to provide feedback between teachers and cadets in the learning process. It checks the cadets' readiness to complete the next learning tasks and ensures the management of their learning motivation. The information obtained during the current control is used to adjust the methods and means of teaching, as well as for cadets' independent work.

Ongoing control can be carried out in the form of an oral survey or a written express control (flyer) during training sessions, as well as in the form of computer testing.

The results of the current control are recorded in the training logbook and are used and taken into account during the final control.

Self-control is intended for cadets' self-assessment of the quality of learning material on a specific topic of the discipline. Self-control is carried out in the form of control questions on the topic or testing on a computer.

The final control is carried out in the form of a comprehensive examination, the deadline is set by the schedule of the educational process and in the amount of educational material determined by the programme of the discipline.

In the course of studying a discipline in the distance learning mode, cadets are assessed for the discipline as a whole based on the performance of a test, the assessment of which affects the further direct training of cadets in courses at a higher military educational institution, which is carried out at the second stage of training.

When taking courses directly at a higher military educational institution, cadets who have completed the full course of study provided for by this programme are allowed to take the comprehensive exam.

To conduct the comprehensive examination, an examination board is appointed by order of the Head of the Academy, which includes representatives of the Military Academy who have a relevant military accounting speciality.

2.3 Logistical support

Lessons should be held in a specialised classroom, which should be equipped with personal electronic computing equipment at the rate of one workstation per two cadets. It is mandatory to use technical training aids during the training sessions.

2.4 Information and methodological support

The main guiding documents for the teacher in preparing for lessons on the topics of the discipline are:

1. Concept of Educational Work in the Armed Forces and Other Military Formations of Ukraine. Approved by Presidential Decree No. 981/98 of 4 September 1998 (as amended by Presidential Decree No. 28/2004 of 12 January 2004).
2. Order of the Ministry of Defence of Ukraine of 04.01.2017 No. 4 "On Approval of the Instruction on Organisation of Information and Propaganda Support in the Armed Forces of Ukraine".
3. Order of the Ministry of Defence of Ukraine of 30.04.17 No. 233 "On measures to prevent drunkenness in the Armed Forces of Ukraine".
4. Order of the Ministry of Defence of Ukraine of 14.12.16 No. 685 "On Approval of the Regulation on the Service of Military Clergy (Chaplaincy Service) in the Armed Forces of Ukraine".
5. Order of the Minister of Defence of Ukraine of 19.04.1997 No. 11 "On Strengthening Military Discipline in the Armed Forces of Ukraine".
6. Order of the Chief of the General Staff - Commander-in-Chief of the Armed Forces of Ukraine of 16.11.2012 No. 240 "On the introduction of psychological training of personnel in the training process of command and control bodies and troops (forces)".
7. Order of the General Staff of the Armed Forces of Ukraine of 27.04.2018 No. 173DSK "On Approval of the Guidelines for Moral and Psychological Support of Training and Use of the Armed Forces of Ukraine".
8. Order of the General Staff of the Armed Forces of Ukraine of 29.04.2017 No. 153 "On Approval of the Instruction on Assessment of the Moral and Psychological Condition of the Personnel of the Armed Forces of Ukraine" (as amended by Order of the General Staff of the Armed Forces of Ukraine of 16.08.2017 No. 287 "On Approval of Amendments to the Instruction on Assessment of the Moral and Psychological Condition of the Personnel of the Armed Forces of Ukraine").
9. Order of the General Staff of the Armed Forces of Ukraine No. 462 of 27.12.2018 "On Approval of the Instruction on the Organisation of Psychological Decompression of the Military Personnel of the Armed Forces of Ukraine".
10. Order of the Commander-in-Chief of the Armed Forces of Ukraine No. 173 of 23 October 2020 "On Approval of the Instruction on the Organisation of Psychological Training in the Armed Forces of Ukraine".
11. Order of the Ministry of Defence of Ukraine dated 19.01.16 No. 27 "On Approval of the Instruction on Organisation of Social and Legal Protection of Servicemen, Persons Liable for Military Service and Reservists Called up for Training (or Testing) and Special Training, and Members of Their Families, Employees of the Armed Forces of Ukraine in the Armed Forces of Ukraine".
12. Order of the Ministry of Defence of Ukraine of 10.12.14 No. 883 "On Approval of the Instruction on the Organisation of Professional and Psychological Selection in the Armed Forces of Ukraine".
13. Order of the Ministry of Defence of Ukraine of 16.01.16 No. 25 "On Approval of Amendments to the Instruction on the Organisation of Professional and Psychological Selection in the Armed Forces of Ukraine".
14. Order of the Ministry of Defence of Ukraine "On the Code of Honour of an Officer of the Armed Forces of Ukraine" No. 412 of 31 December 1999.

15. Order of the Ministry of Defence of Ukraine "On Approval of the Concept of Strategic Communications of the Ministry of Defence of Ukraine and the Armed Forces of Ukraine" No. 612 of 22 November 2017.
 16. Boyko O.V., Mytsenko D.V., Romanyshyn A.M. Psychological and Pedagogical Workshop on Leadership of a Platoon (Company) Commander: Study guide. - Lviv: DIA, 2009. - 153 p.
 17. Military psychology and pedagogy: Textbook / edited by Snigur L.A. - Lutsk: Tverdynia Publishing House, 2010. 576 pp.
 18. Military pedagogy in the professional activity of an officer and sergeant: Part I "General Fundamentals of Pedagogy and Military Didactics" / O.V. Boyko, L.V. Koberskyi, V.M. Kozhevnikov, A.M. Romanyshyn, S.V. Skrypnyk - L.: DIA. 2012. - 448c.
 19. Military pedagogy in the professional activity of an officer and sergeant: Part II "Methods and Systems of Military Education" / O.V. Boyko, L.V. Koberskyi, V.M. Kozhevnikov, A.M. Romanyshyn, S.V. Skrypnyk - L.: DIA. 2012. - 370c.
 20. Military Education: History, Theory and Methodology: A Study Guide / Edited by V.V. Yahupov - Kyiv: Graphic&Design, 2002. 560 p.
 21. Leadership of Sergeant and Officer (psychological and pedagogical aspect): Study guide / O.V.Boyko, O.V.Kopanytsia, A.V.Lunkov, A.M.Romanyshyn, N.Speid - Lviv: LISV, 2009. 188 p.
 22. Methodological recommendations: Algorithm of actions of a military unit commander in identifying and referring servicemen with alcohol dependence for treatment: Methodological recommendations / [O.V. Druz, A.R. Tchaikovsky, A.M. Samoilenko et al.
 23. Methodological recommendations for organising and conducting combat training with due regard to the training facilities created at the training grounds. CSR OF THE ARMED FORCES OF UKRAINE, 2014.
 24. Organisational and methodological guidelines for the organisation of work with personnel in the Armed Forces of Ukraine in 2019.
 25. Recommendations on Responsibility for the Preservation of the Life and Health of Servicemen, 2014.
 26. Statutes of the Armed Forces of Ukraine. Kyiv, Varta. 2003.
 27. Temporary instruction on the organisation of psychological support and psychological recovery of servicemen. Kyiv, 2018.
- Further reading:**
28. Psychology of Combat: Activities of a Unit Commander. Study guide. - Lviv: Mont Blanc, 2017.
 29. Algorithm of work of a military psychologist on psychological support of professional activity of the personnel of the Armed Forces of Ukraine (methodological recommendations) / Ministry of Defence of Ukraine, Research Centre for Humanitarian Problems of the Armed Forces of Ukraine: N.A. Agayev, O.H. Skrypkin, A.B. Deyko, V.V. Polivaniuk, O.V. Evert - K.: Research Centre of the GP of the Armed Forces of Ukraine, 2016. 147 p.
 30. Guidelines for maintaining the mental health of servicemen in the area of deployment of troops (forces) and during the restoration of combat capability of military units (subunits).
 31. Makarevych O.P. Psychological preparation of a personality for behaviour in difficult situations: Educational and methodological manual. - K.: VGI NAOU, 2000. - 188 p.
 32. Fundamentals of military ethics and aesthetics: Study guide / P.P. Tkachuk, M.M. Holyk, H.M. Shevkun - Lviv: NASV, 2018. 170 p.
 33. Fundamentals of Practical Psychology / V. Panok, T. Titarenko, N. Chepeleva, et al: Textbook. - K.: 1999. - 536 p.
 34. Psychology of combat: activities of the unit commander to maintain the moral and psychological state of personnel during combat operations: a textbook / A.M. Romanyshyn, O.V. Boyko, D.V. Bohorodytskyi, et al.

35. Social responsibility of an officer. Lviv, 2019. 264 c.
 36. Socio-psychological technologies for managing military collectives. Lviv, 2018. 248 c.
 37. Sheliukh O. M., Andriianova O. Y., Panasiuk K. V. Military Rhetoric: A Workshop - Lviv: NASV, 2019. 196 p.
 38. Yahupov V.V. Military Psychology. - Kyiv: Lybid, 2005. - 654 p.
 39. Yahupov V.V. Pedagogy: A Study Guide - K.: Lybid, 2002. - 560 p.
 40. The Geneva Conventions relative to the Protection of War Victims (1949) and their Additional Protocols (1977).
 41. The Hague Convention for the Protection of Cultural Property in the Event of Armed Conflict of 1954, with its Regulations of Implementation, First Protocol and Second Protocol of 1999.
 42. The Vienna Convention on Prohibitions or Restrictions on the Use of Certain Conventional Weapons Which May Be Deemed to Be Excessively Injurious or to Have Indiscriminate Effects (1980) with its five Protocols.
 43. Convention on the Prohibition of the Use, Stockpiling, Production and Transfer of Anti-Personnel Mines and on Their Destruction, 1997.
 44. International Convention against the Recruitment, Use, Financing and Training of Mercenaries, 1989.
 45. The Convention on the Prevention and Punishment of the Crime of Genocide of 1948.
- Information resources:**
46. <http://www.milpsy.effcon.ru/literatura.html>
 47. <http://www.mil.gov.ua>
 48. There is such a profession as defending the homeland, <https://studopedia.org/12-98095.html>
 49. Patriotism and loyalty to military duty are important values of servicemen <https://studopedia.org/12-98095.html>
 50. Military etiquette. Culture of communication of military personnel. <http://newsdaily.com.ua/etiket/8266-vijskovij-etiket-kultura-spilkuvannyavijskovosluzhbovciv-ta-normi-povedinki.html>
 51. AnArmyWhitePaper: TheProfessionofArms. CG TRADOC Approved, 2 December 2010. <http://data.cape.army.mil/web/repository/white-papers/profession-of-arms-white-paper.pdf>.
 52. EU Standardsofbehaviourinoperations. <http://register.consilium.europa.eu/pdf/en/05/st08/st08373-re03.en05.pdf>
 53. U.S. Department of Defence. The Armed Forces Officer. The National Defence University Press and Potomac Books, Inc. 2007. <http://data.cape.army.mil/web/repository/doctrine/armed-forces-officer.pdf>.
 54. Hackett, John, Sir. TheProfessionofArms: The 1962 LeesKnowlesLectureGivenatTrinityCollegeCambridge. Times Publishing Company, 1962. https://history.army.mil/html/books/070/70-18/cmhPub_70-18.pdf.
 55. NATO PolicyOnCombatingTraffickingInHumanBeings<http://www.nato.int/docu/comm/2004/06-istanbul/docu-traffic.htm>
 56. UNDOC OnlineEdition - Toolkit to Combat Trafficking in Persons; <https://www.unodc.org/unodc/en/human-trafficking/2008/electronic-toolkit/electronic-toolkit-to-combat-trafficking-in-persons---index.html>
 57. Bi-SC Directive 40-1. Integrating UNSCR 1325 and Gender Perspectivesinthe NATO Command Structureincluding Measures for ProtectionduringArmedConflict. http://www.nato.int/nato_static/assets/pdf/pdf_2009_09/20090924_Bi-SC_DIRECTIVE_40-1.pdf

58. Carafano, J. "MasteringtheArtofWiki: Understanding Social Networking and National Security." *JointForcesQuarterly*60 (January 2011). (availableonline)http://www.au.af.mil/au/awc/awcgate/jfq/carafano_art_of_wiki.pdf

3. Titles of topics and distribution of study time by type of lesson

№ s/n	Types of training sessions, control measures	Total hours	Among them.		Topic title and learning points
			Contact hours	Independent work	
1	2	3	4	5	6
Topic title 1: Leadership					
1.	Lecture	5	2	3	Lesson 1: The problem of leadership in the context of the value and ethical paradigm of our time 1. The essence and content of value-based leadership theories. 2. Value aspects of leadership for professional training of military specialists.
2.	Group session	8	2	6	Lesson 2: Gender aspects of professional activity of an officer 1. Gender equality in the security and defence sector of Ukraine. 2. Gender competence as a component of an officer's professional competence. 3. The role of the commander (chief) in ensuring equal rights and opportunities for men and women.
3.	Group session	5	2	3	Lesson 3: Professionalism and Leadership of Officers 1. Authority and leadership of the commander (chief). 2. Fundamentals of professionalism and leadership development of officers.
4.	Group session	5	2	3	Lesson 4. Personnel management 1. Theoretical foundations of management. 2. General management functions. 3. Management methods.
5.	Group session	5	2	3	Lesson 5. Organisational culture and ethical issues of the manager 1. The system of personal qualities of a manager. 2. The organisational culture of the manager. 3. Ethical problems of management.
6.	Group session	5	2	3	Lesson 6. Overview of leadership theory 1. Forms of managerial influence. 2. Classification of leadership styles.

№ s/n	Types of training sessions, control measures	Total hours	Among them.		Topic title and learning points
			Contact hours	Independent work	
1	2	3	4	5	6
					3. Situational and adaptive approach to effective leadership. "Leadership" according to NATO standards . 4. Interaction between a commander (chief) and a subordinate.
7.	Group session	2	2		Lesson 7. The leader as an organiser and educator of the team 1. The essence and content of the communication process in management. 2. The military team and the stages of its development. 3. Psychological and business characteristics of subordinates.
8.	Seminar (Roundtable Discussion)	4	4		Lesson 8. Practical mechanisms for using the situational leadership methodology in the activities of a unit commander. Questions for discussion: 1. Theoretical foundations and situational leadership in the activities of a unit commander. 2. Experience of using the theory of situational leadership in the professional activity of an officer.
9.	Group session	5	2	3	Lesson 9. Deviant behaviour in war 1. The essence and characteristics of deviant behaviour in war. 3. Forms and methods of social and psychological relaxation and rehabilitation of military personnel.
10.	Seminar (Roundtable Discussion)	8	2	6	Lesson 10. Manifestation of leadership of commanders in a combat situation Questions for discussion: 1. Watch the video film Height 307.5. 2. Discussion of actions of the commander (chief) and soldiers that have a positive impact on the image of the Armed Forces of Ukraine. 3. Discussion of negative actions of commanders and soldiers during participation in combat operations.
11.	Group session	2	2		Lesson 11. Strategic communications in the Armed Forces of Ukraine. 1. Information hygiene of troops. 2. Study the problems of strategic communications in the Armed Forces of Ukraine.
12.	Seminar (Roundtable	5	2	3	Lesson 12. Psychology of a healthy lifestyle and suicide prevention.

№ s/n	Types of training sessions, control measures	Total hours	Among them.		Topic title and learning points
			Contact hours	Independent work	
1	2	3	4	5	6
	Discussion)				Questions for discussion: 1. The concept of psychological health and prevention of psychological disorders. 2. Folk traditions and the problem of globalisation; traditions as a factor of psychological health.
13.	Group session	5	2	3	Lesson 14. Prohibited means and methods of warfare 1. Restrictions on the general nature of warfare. 2. Prohibited methods and means of warfare. 3. The use of weapons by military personnel to protect health and life, to repel an attack on military objectives.
14.	Control work	2	2		Lesson 14. Test paper 1. Practical solution to the control task for the discipline.
TOTAL		66	30	36	

MS 8. ROUTINE ACTIVITIES

1. The general purpose of the discipline (subject of study):

The discipline in tactical level logistics courses (L-1C L) can be taught in the following ways:

in classrooms - during courses directly at a higher military educational institution;

in a mixed form of education (distance learning combined with traditional education) - during online learning without interrupting the performance of their functional duties at the place of service at the first stage, but the assessment of cadets for the discipline as a whole affects the further direct training of cadets in courses at a higher military educational institution, which is carried out at the second stage of training.

The aim of teaching the discipline "Daily Activities" is to:

Improvement of personal skills in organising daily activities in the unit;

Developing practical skills in organising and planning unit combat training and organising troop service;

Developing cadets' creative thinking and organisational skills that ensure the quality of tasks performed in the course of daily activities of the divisions.

As a result of studying the discipline, cadets should:

know:

international legal regulation of human rights and freedoms;

basics of military law;

the procedure for organising daily activities in the logistics company;

basic forms and methods of combat training in the company.

be able to:

organise and conduct combat training in the unit (logistics support company), and keep records of it;

Develop planning and reporting documents for combat training;

organise and support the day-to-day activities of the unit;

organise and manage company housekeeping.

2. Organisational and methodological instructions:

2.1. Features of the methodology of conducting lessons:

The methodology of teaching a discipline is based on the basic principles of didactics (theory of reasoning and learning). It provides a scientific and pedagogical description of the forms and methods of teaching, indicates the most appropriate combinations to achieve a certain level of learning, and determines the conditions for their most effective use.

To achieve the main learning objective, the programme provides for the following forms of learning:

frontal form of training, when all cadets perform the same task at the same time under the supervision of a teacher;

group form of training, when cadets are combined into groups (departments) depending on the staffing structure of the unit, which work in parallel;

individual form of learning (in the case of distance learning), when cadets complete tasks sequentially, one by one.

At the same time, depending on the need to achieve the levels of knowledge or skill, the teacher should use the following methods:

verbal and visual;

training;

situational and cognitive.

A verbal and visual method in which the teacher systematically and consistently presents the educational material, shows (demonstrates) the subjects studied in order for cadets to gain new knowledge and form the appropriate imagination.

The training (reproductive) method consists in performing complex actions in accordance with an algorithm (pre-established procedure) determined by the training leader to develop the necessary skills and ensure the coherence of military organisational structures.

Situational and cognitive - in reviewing and discussing real (probable) actions, learning about the experience of commanding troops (forces) in military conflicts and developing skills in information and analytical activities.

The above methods provide cadets with knowledge, skills, and abilities, but to develop their creative abilities, the group leader should use problem-based learning methods.

Problem-based teaching is when the group leader poses a problem to the cadets, solves it himself, but at the same time shows the ways of solving it, reveals the course of his thought. The immediate result of problem-based teaching should be that the student learns the method and logic of solving a particular problem, but not yet the ability to apply it independently. This method teaches cadets how to search for knowledge and helps them develop creative thinking skills.

The search (heuristic) method (in distance learning) serves the purpose of gradually bringing cadets closer to solving problems on their own by first teaching them how to perform certain elements of the solution. It is used in group sessions when the method of finding the optimal solution is determined by the group leader, but the solution is found by the student.

Problem-based methods provide a deep assimilation of knowledge at the level of its creative application, mastery of creative thinking methods, and practical experience.

during lectures:

A lecture is the main type of training session designed to teach the theoretical material of a topic.

The main purpose of the lecture is to systematise the basis of scientific knowledge and practical experience on the topic, the state and prospects of development of management science, theory and practice of military leader's management activities, to focus on the most complex and nodal issues of the educational material. The lecture should be problem-based, stimulate active cognitive activity of cadets, and promote creative thinking. In order to enhance the cognitive activity of servicemen and to develop their creative thinking, technical teaching aids should be skilfully used during lectures in combination with active forms and methods of lecturing. Lessons should be conducted by the method of oral presentation of educational material, with individual questions and educational elements worked out in the form of a dialogue between the teacher and the cadets and by asking them problematic questions.

During the online lecture, cadets are assigned tasks in accordance with the requirements of the online course.

when conducting group sessions:

A group lesson is a type of training session during which the teacher presents new educational material in a verbal and visual way, controls the cadets' learning of this material by questioning them and helps to consolidate it.

Group sessions are held to enable cadets to study in detail the issues and problems discussed in lectures and to consider in detail topical issues of the course material. The main teaching methods are explanation with demonstration and discussion. Technical means of information transmission, tables, diagrams, slides, diagrams and posters should be used to ensure visualisation during the lessons.

During the online group assignment, cadets are assessed on the basis of their test (individual) tasks in accordance with the requirements of the developed online course.

during practical sessions:

A practical session is a type of training session during which a research and teaching (pedagogical) employee organises the mastering of theoretical provisions of the discipline by cadets through the performance of specially formulated tasks and promotes the development of skills and abilities to apply these theoretical provisions in practice.

A practical session is a form of training in which cadets practically work on educational issues, the instructor monitors the learning of previously studied material and seeks to consolidate it, and the instructor uses creative recommendations to guide the independent work of cadets. Therefore, the practical session is one of the most important types of training sessions with cadets.

During the online practical session, cadets are assessed based on the results of completing tasks to fill in the documents of daily activities, in accordance with the requirements of the developed online course.

when organising independent work:

Independent work should be carried out with the aim of working out and mastering the educational material; consolidating and deepening knowledge, skills and abilities; preparing for the next lessons and control measures; forming a culture of mental work, independence and initiative in the search, acquisition and enrichment of knowledge among cadets.

Independent work should be provided with educational literature, study guides, assignments and methodological recommendations. All teaching and learning materials should have electronic versions. Methodological materials for independent work should provide for the possibility of self-control.

The study of independent work issues that are studied during the online course, the definition of individual tasks are performed in accordance with the requirements of the developed online course.

2.2. Frequency and peculiarities of current control, general procedure for determining the score for current control:

An integral part of the process of professional development of officers at tactical level logistics courses (L-1C L) is a system of monitoring and reporting on the quality of learning. The main purpose of the control is to ensure the scientific level of the acquired knowledge and the strength of the skills and abilities developed. The following control methods are used in the teaching of the discipline "Daily Activities":

entrance control;

current control;

self-control;

final control.

The number of control measures, forms of their implementation, and frequency are communicated to cadets at the beginning of the discipline.

Entrance control is carried out before the study of the discipline in order to study the level of training of course participants and make changes to the content of the educational issues to be considered during the lesson.

Current control is carried out by teachers at all types of lessons.

The main purpose of the current control is to provide feedback between teachers and cadets in the learning process, to check the cadets' readiness to complete the next learning tasks, and to manage their learning motivation. The information obtained during the current control is used to adjust teaching methods and tools, as well as for cadets' independent work.

Ongoing control can be carried out in the form of an oral survey or a written express control (flyer) during training sessions, as well as in the form of computer testing.

The results of the current control are recorded in the training logbook and are used and taken into account during the final control.

Self-control is intended for cadets' self-assessment of the quality of learning material on a specific topic of the discipline. Self-control is carried out in the form of control questions on the topic or testing on a computer.

The final control is carried out in the form of a comprehensive examination within the period established by the schedule of the educational process and in the amount of educational material determined by the programme of the discipline.

In the course of studying a discipline in the distance learning mode, cadets are assessed for the discipline as a whole based on the performance of a test, the assessment of which affects the further direct training of cadets in courses at a higher military educational institution, which is carried out at the second stage of training.

When taking courses directly at a higher military educational institution, cadets who have completed the full course of study provided for by this programme are allowed to take the comprehensive exam.

To conduct the comprehensive examination, an examination board is appointed by order of the Head of the Academy, which includes representatives of the Military Academy who have a relevant military accounting speciality.

2.3 Logistical support

Lessons should be held in a specialised classroom, which should be equipped with personal electronic computing equipment at the rate of one workstation per two cadets. It is mandatory to use technical training aids during the training sessions.

2.4 Information and methodological support

The main guiding documents for the teacher in preparing for lessons on the topics of the discipline are:

1. Statutes of the Armed Forces of Ukraine. Approved by the Laws of Ukraine of 24.03.99 No. 548 (as amended).
2. Law of Ukraine "On Military Duty and Military Service" of 25.03.1992 No. 2232-XII (as amended).

3. Law of Ukraine "On State Secrets" of 21.01.94 No. 3855-XII (as amended).
4. Law of Ukraine "On the Armed Forces of Ukraine" of 06.12.1991 No. 1934-XII (as amended).
5. Law of Ukraine "On mobilisation training and mobilisation" of . 21.10.1993 No. 3543-XII (as amended).
6. Law of Ukraine "On Defence of Ukraine" of 06.12.1991 No. 1932-XII (as amended).
7. Resolution of the Cabinet of Ministers of Ukraine dated 18.12.2013 No. 939 "On Approval of the Procedure for Organisation and Ensuring Secrecy in State Bodies, Local Self-Government Bodies, Enterprises, Institutions and Organisations and Invalidation of Certain Resolutions of the Cabinet of Ministers of Ukraine".
8. The Concept for the Development of the Security and Defence Sector of Ukraine, approved by Presidential Decree No. 92/2016 of 14 March 2016.
9. The State Programme for the Development of the Armed Forces of Ukraine for the period up to 2020, approved by the Decree of the President of Ukraine of 22 March 2017 No. 73/2017
10. The Doctrine "Land Forces of the Armed Forces of Ukraine", approved by the Commander-in-Chief of the Armed Forces of Ukraine on 02.11.2020.
11. The Logistics Forces Doctrine, approved by the Commander-in-Chief of the Armed Forces of Ukraine on 08.02.2021.
12. The Joint Logistics Doctrine, approved by the Commander-in-Chief of the Armed Forces of Ukraine on 19.08.2020.
13. Order of the Commander-in-Chief of the Armed Forces of Ukraine dated 10.02.2021 No. 30/DSK "On Approval of the Regulation on the Logistics Forces Command of the Armed Forces of Ukraine".
14. The Concept of Training of the Armed Forces of Ukraine, approved by the joint order of the Ministry of Defence and the General Staff of the Armed Forces of Ukraine No. 95 of 22 February 2016.
15. Order of the Deputy Minister of Defence of Ukraine for Armaments No. 72 of 22.07.1998 "On Approval of the Guidelines for the Storage of Automotive Equipment and Property in the Armed Forces of Ukraine".
16. Order of the Ministry of Defence of Ukraine dated 17.08.2017 No. 440 "On Approval of the Instruction on Accounting for Military Property in the Armed Forces of Ukraine".
17. Order of the Ministry of Defence of Ukraine of 24.10.2016 No. 553 "On Approval of the Instruction on the Organisation of Guard Service in the Armed Forces of Ukraine".
18. Order of the Ministry of Defence of Ukraine dated 25.10.2016 No. 560 "On Approval of the Regulation on Paramilitary Protection of the Armed Forces of Ukraine, Instruction on Organisation and Performance of Guard Service by Paramilitary Guards at the Facilities of the Armed Forces of Ukraine".
19. Order of the Ministry of Defence of Ukraine dated 25.10.2016 No. 561 "On Approval of the Regulation on the Watch Guard and the Instruction on Organisation and Performance of Service by the Watch Guard".
20. Order of the Ministry of Defence - General Staff of 10.03.17 No. 1t/05 "On Approval of the Temporary Instruction on the Procedure for Assessing Combat and Mobilisation Readiness, Readiness to Perform Functional Duties in Military Organisational Structures of the Ministry of Defence of Ukraine and the Armed Forces of Ukraine in a Special Period".

21. Order of the Minister of Defence of Ukraine No. 352 of 29.05.2013 "On Approval of the Temporary Instruction on the Procedure for Organising and Conducting Inspections and Assessment of Acquiring Operational (Combat) Capabilities in the Armed Forces of Ukraine".
22. Order of the Minister of Defence of Ukraine of 29.06.2005 No. 359 "On Approval of the Instruction on Organisation of Accounting, Storage and Issuance of Small Arms and Ammunition in the Armed Forces of Ukraine" (as amended).
23. Order of the Ministry of Defence of Ukraine of 16.07.1997. No. 300 "On Approval of the Regulation on the Military (Ship) Economy of the Armed Forces of Ukraine". MoD of Ukraine. K. 1997.
24. Order of the Ministry of Defence of Ukraine of 20 November 2017 No. 606 "On Approval of the Rules for Wearing Military Uniforms and Insignia by Military Personnel of the Armed Forces of Ukraine and Cadets of Military Lyceums".
25. Order of the Ministry of Defence of Ukraine of 29.04.2016 No. 232 "On the provision of clothing to the military personnel of the Armed Forces of Ukraine".
26. Order of the Ministry of Defence of Ukraine of 31.07.2006 No. 469 "On Approval of the Regulation on Provision of the Armed Forces of Ukraine with Fuel and Technical Means of Fuel Service for Peacetime".
27. Directive of the General Staff of the Armed Forces of Ukraine "On the organisation of training planning for the Armed Forces of Ukraine for the academic year".
28. Directive of the General Staff of the Armed Forces of Ukraine "On the organisation of training of the Armed Forces of Ukraine in the academic year".
29. Order of the General Staff of the Armed Forces of Ukraine of 21 January 2020 No. 18 "On Approval of the Doctrine of Training of the State Defence Forces".
30. Doctrine on the Organisation of Joint Training of the State Defence Forces, approved by the Chief of the General Staff of the Armed Forces of Ukraine on 01.08.2020.
31. The Doctrine of the Use of Logistics Forces, approved by the Chief of the General Staff of the Armed Forces of Ukraine on 04.02.2021.
32. The Doctrine on the Organisation of Assessment (Certification) in the Armed Forces of Ukraine, approved by the Chief of the General Staff of the Armed Forces of Ukraine on 04.10.2020.
33. Order of the General Staff of the Armed Forces of Ukraine of 28.05.2013 No. 125 "On Approval of the Temporary Instruction on Individual Training of the Military Personnel of the Armed Forces of Ukraine".
34. Order of the General Staff of the Armed Forces of Ukraine dated 27.01.2020 No. 26 "Instruction on the Procedure for Developing (Posting) Standards (Task Catalogues) for Training and Conducting Assessments According to the Training Standards of the Armed Forces of Ukraine".
35. Order of the General Staff of the Armed Forces of Ukraine dated 02.01.2020 No. 1 "Instruction on the Organisation of Preparation and Conduct of Inspections in the Armed Forces of Ukraine".
36. Order of the General Staff of the Armed Forces of Ukraine of 07.04.2017 No. 124 "On Approval of the Instruction on Record Keeping in the Armed Forces of Ukraine".

37. Order of the General Staff of the Armed Forces of Ukraine No. 26 dated 27 January 2020 "On the Procedure for Developing (Posting) Standards (Task Catalogues) for Training and Conducting Assessments According to the Training Standards of the Armed Forces of Ukraine".
38. Order of the Chief of the General Staff - Commander-in-Chief of the Armed Forces of Ukraine of 14.11.2005 No. 180 "On Approval of the Regulations on the Service of Troops in the Armed Forces of Ukraine".
39. Order of the Chief of the General Staff - Commander-in-Chief of the Armed Forces of Ukraine of 27.09.2016 No. 363 "On Approval of the Instruction on Establishing the Degree of Threats during the Performance of Combat (Special) Tasks, Combat Training Activities".
40. Order of the Chief of the General Staff - Commander-in-Chief of the Armed Forces of Ukraine of 27.09.2016 No. 364 "On Approval of the Procedure for the Use of Protective Equipment by the Military of the Armed Forces of Ukraine and the Status of Weapons Loaded in accordance with the Degree of Threat".
41. Order of the Security Service of Ukraine of 12.08.2005 No. 440 "On Approval of the Code of Information Constituting a State Secret".
42. Order of the Ministry of Defence of Ukraine dated 26.05.2014 No. 333 "On Approval of the Instruction on Organisation of Personnel Records of the Armed Forces of Ukraine".
43. Combat Regulations of the Mechanised and Tank Forces of the Land Forces of the Armed Forces of Ukraine. Part II. Battalion, company. Order of the Commander of the Land Forces of the Armed Forces of Ukraine of 30.12.2016, no. 605.
44. Guidelines for training planning in the Armed Forces of Ukraine. Approved by the Chief of the General Staff of the Armed Forces of Ukraine, 09.2020.
45. Methodical Recommendations on the Procedure for Acceptance and Surrender of Cases and Positions by Officers of the Armed Forces of Ukraine. Approved by the Director of the Personnel Policy Department of the Ministry of Defence of Ukraine on 10.06.2011.
46. Methodological Recommendations for the Assessment (Certification) of Military Command and Control Bodies, Military Units (Subdivisions) of the Armed Forces of Ukraine on the Acquisition of Certain Capabilities, approved by the Chief of the General Staff of the Armed Forces of Ukraine, 04.10.2020.
47. Individual training programme for officers of the tactical command and control of the Armed Forces of Ukraine, approved by the Chief of the General Staff of the Armed Forces of Ukraine on 26.08.2020.
48. Individual Training Programme for NCOs of the Armed Forces of Ukraine, Chief of the General Staff of the Armed Forces of Ukraine 08.2020.
49. Military administrative activity: A Study Guide / M.A. Holova, V.M. Durach, O.V. Ivashchenko, R.I. Sapiga, N.T. Stukalina - Lviv: NASU, 2012. 240 p.
50. Guidelines on company management and organisation of control over the service of troops. L., DIA, 2010.
51. Methodical recommendations on peculiarities in the organisation of certain issues of daily activities and service of troops in military units of the Land Forces of the Armed Forces of Ukraine. Kyiv 2016.

52. Programme of the PRIMARY LEADERSHIP COURSE, approved by the Chief of the General Staff - Commander-in-Chief of the Armed Forces of Ukraine, April 2018.
53. Programme of the INTERMEDIATE LEADERSHIP COURSE, approved by the Chief of the General Staff - Commander-in-Chief of the Armed Forces of Ukraine, April 2018.
54. Programme of the Advanced Leadership Course (ADVANCED LEADERSHIP COURSE), approved by the Chief of the General Staff - Commander-in-Chief of the Armed Forces of Ukraine, April 2018.
55. Programme of the HIGHEST (CSEL) LEADERSHIP COURSE, approved by the Chief of the General Staff - Commander-in-Chief of the Armed Forces of Ukraine, April 2018.
56. Management of the daily activities of departments: Study guide - Lviv: NASW, 2018. - 252 p.
57. Fundamentals of Combat Training of the Land Forces of the Armed Forces of Ukraine: Study guide / Edited by Major General of the Reserve M.A. Holova. - Lviv: NASV, 2018. 240 p.
58. Vyshnevskiy Y.V., Toropchyn D.H., Chepur O.M.. Fundamentals of military management. Study guide. JI. 2009.
59. A. V. Korzh. Documentation of business law. Study guide, Kyiv. 2002 inv. 2944.

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60. Official website of the Ministry of Defence of Ukraine: <http://www.mil.gov.ua/>.
61. Military Doctrine of Ukraine. Decree of the President of Ukraine No. 555/2015// [Electronic resource]: <http://www.president.gov.ua/documents/5552015-19443>.
62. National Security Strategy of Ukraine. Decree of the President of Ukraine of 26 May 2015 No. 287/2015// [Electronic resource]: <http://zakon2.rada.gov.ua/laws/show/287/2015>.
63. Strategy of sustainable development / [Electronic resource]. - Access mode: "Ukraine-2020"/ <https://uk.wikipedia.org/wiki>.
64. Concept of Development of the Security and Defence Sector of Ukraine. Decree of the President of Ukraine of 14 March 2016 No. 92/2016/ [Electronic resource]: <http://www.president.gov.ua/documents/922016-19832>.

3. Titles of topics and distribution of study time by type of lesson

№ s/n	Types of training sessions, control measures	Total hours	Among them.		Topic title and learning points
			Contact hours	Independent work	
1	2	3	4	5	6
Topic title 1: International Legal Regulation of Human Rights and Freedoms					
1.	Lecture	3	2	1	Lesson 1: International humanitarian law as a component of modern international law 1. The concept of international humanitarian law and the scope of its application. Primary basis of international legal protection of war victims. 2. The concept of the main categories of persons and objects: combatants. The Hague Convention: the legal nature of participants in armed conflicts. Prisoners of war. 3. Prohibited methods and means of warfare.
2.	Practical session	2	2		Lesson 2: Practical solutions to test tasks on the application of IHL 1. General restrictions on the conduct of war. 2. Civilian and military objects. 3. Objects and persons under protection. 4. War crimes. Personal criminal liability (including command responsibility)
Topic title 2. Fundamentals of Military Law					
3.	Lecture	2	2		Lesson 1: The concept, procedure and methodology of an internal investigation 1. The concept, objectives and grounds for the appointment of an internal investigation. 2. The procedure for conducting and documenting the results of an internal investigation.
Topic title 3: Fundamentals of Information-Analytical and Military-Administrative Activities					
4.	Lecture	5	2	3	Lesson 1: The decision function as the basis of management 1. The essence, role and classification of management decisions. 2. The structure of management decisions. 3. Requirements for management decisions.
5.	Practical session	2	2		Lesson 2: Organisation of personnel records in a unit. 1. Procedure and rules for keeping records of personnel in a platoon, company, and battalion.

					2. Preparation of personnel records in a platoon, company, battalion.
Topic title 4. Fundamentals of Organisation and Methods of Combat Training of Units (subunits)					
6.	Lecture	5	2	3	Lesson 1: Organisation of combat training in a unit, military unit 1. Requirements of the guiding documents on the organisation of combat training in a unit, military unit. 2. Requirements of the guiding documents on the organisation of the main types of training with units.
7.	Practical session	4	2	2	Lesson 2: Planning combat training in a unit 1. Company (separate platoon) training schedule. Procedure and rules for developing a company (separate platoon) training schedule. 2. Practical development of a company (platoon) training schedule.
8.	Group session	6	2	4	Lesson 3: Planning combat training in units 1. Organisation and planning of combat training in units and subunits of the Land Forces. 2. Content, procedure and rules for developing a battalion combat training plan.
9.	Practical session	2	2		Lesson 4. Accounting for combat training by the company commander 1. The procedure for keeping records of individual (general military, professional) and collective training in the unit. 2. Procedure for assessing individual (general military, professional) and collective training of a unit according to training standards.
Topic title 5. Fundamentals of Organisation and Management of Military Economy					
10.	Lecture	3	2	1	Lesson 1: Fundamentals of military economy organisation 1. Military economy and the procedure for organising military economy in the unit. 2. Organisation of a park and economic day in the company (separate platoon).
11.	Group session	4	2	2	Lesson 2: Acceptance and handover of cases and position by the unit commander (chief of service) 1. General provisions on acceptance and delivery of cases and the position of the unit commander. 2. Forms of accounting documents kept in the unit. 3. The work of the unit commander during the acceptance of cases and the position of the unit commander and its peculiarities in the conditions of the joint forces operation.
12.	Group Session	2	2		Lesson 3. Oral health care and its management 1. The work of the unit commander in accounting for material resources in the unit. 2. Preparation of documents for receipt and delivery of material assets to the unit's warehouse.
TOTAL		40	24	16	

MS 9. ORGANISATION OF MORAL AND PSYCHOLOGICAL SUPPORT

1. The general purpose of the discipline (subject of study):

The purpose of teaching the discipline "Organisation of moral and psychological support" is:

Improving cadets' knowledge and skills in organising moral and psychological support in the unit;

Developing practical skills for effective influence on the minds and psyches of military personnel to ensure that they perform their tasks under any circumstances;

development of analytical and creative thinking in cadets to ensure the quality of assigned tasks.

As a result of studying the discipline, cadets should:

know:

general principles of organising moral and psychological support and effective personnel management;

theoretical aspects of organising internal communication work in the unit;

the system of work of the unit commander on the methodology for assessing the moral and psychological state in the unit;

theoretical foundations of planning and organising moral and psychological support in a military unit;

the basics of a unit commander's work to identify and prevent combat-related mental trauma and disorders in soldiers.

be able to:

take into account and apply the types, forms and methods of psychological training;

independently and creatively solve the tasks of information-propaganda and psychological support for the personnel of a military unit (military collective), apply the acquired knowledge in practice;

organise moral and psychological support in the unit, skilfully use methods of stress neutralisation and emotional and volitional self-regulation techniques;

organise moral and psychological support for the training and use of the unit;

master the methods and technologies of working with personnel to form, maintain and restore the moral and psychological state of servicemen.

2. Organisational and methodological instructions:

2.1. Features of the methodology of conducting lessons:

The methodology of teaching the discipline is based on the basic principles of didactics (theory of reasoning and learning). It provides a scientific and pedagogical description of the forms and methods of teaching, indicates the most appropriate combinations to achieve a certain level of learning, and determines the conditions for their most effective use.

To achieve the main learning objective, the programme provides for the following forms of learning:

frontal form of training, when all cadets perform the same task at the same time under the supervision of a teacher;

group form of training, when cadets are combined into groups that work in parallel;

individual form of training, when cadets complete tasks sequentially, one by one.

At the same time, depending on the need to achieve the levels of knowledge or skill, the teacher should use the following methods:

verbal and visual;

training;

situational and cognitive.

A verbal and visual method in which the teacher systematically and consistently presents the educational material, shows (demonstrates) the subjects studied in order for cadets to gain new knowledge and form the appropriate imagination.

The training (reproductive) method consists in performing complex actions in accordance with an algorithm (pre-established procedure) determined by the training leader to develop the necessary skills and ensure the coherence of military organisational structures.

Situational and cognitive - in reviewing and discussing real (probable) actions, learning about the experience of commanding troops (forces) in military conflicts and developing skills in information and analytical activities.

The above methods provide cadets with knowledge, skills, and abilities, but to develop their creative abilities, the group leader should use problem-based learning methods.

Problem-based teaching is when the group leader poses a problem to the cadets, solves it himself, but at the same time shows the ways of solving it, reveals the course of his thought. The immediate result of problem-based teaching should be that the student learns the method and logic of solving a

particular problem, but not yet the ability to apply it independently. This method teaches cadets how to search for knowledge and helps them develop creative thinking skills.

The search (heuristic) method serves the purpose of gradually bringing cadets closer to solving problems on their own by first teaching them how to perform certain elements of the solution. It is used during group exercises when the method of finding the optimal solution is determined by the group leader, but the solution is found by the trainee.

Problem-based methods provide a deep assimilation of knowledge at the level of its creative application, mastery of creative thinking methods, and practical experience.

when conducting group sessions:

A group lesson is a type of training session during which the teacher presents new educational material in a verbal and visual way, controls the cadets' learning of this material by questioning them and helps to consolidate it.

Group sessions are held to enable cadets to study in detail the issues and problems discussed in lectures and to consider in detail topical issues of the course material. The main teaching methods are explanation with demonstration and discussion. Technical means of information transmission, tables, diagrams, slides, diagrams and posters should be used to ensure visualisation during the lessons.

during practical session:

A practical session is a type of training session during which the teacher organises the mastering of the theoretical provisions of the topic through individual performance of specially designed tasks and promotes the development of skills and abilities to apply these theoretical provisions in practice.

Practical sessions should be aimed at consolidating and deepening the knowledge gained by cadets in lectures and group sessions, as well as during independent work, and developing skills in solving practical problems of everyday military activities. A practical session on the topic: "Organisation and Planning of Combat Training" should be conducted in a specialised classroom, where, based on the prepared documents, cadets, under the guidance of the instructor, develop a unit training schedule, draw up a plan for conducting training with subordinates according to training standards and assess the individual (basic general military, professional) training of servicemen and collective training of the unit.

when organising independent work:

Independent work should be carried out with the aim of working out and mastering the educational material; consolidating and deepening knowledge, skills and abilities; preparing for the next lessons and control measures; forming a culture of mental work, independence and initiative in the search, acquisition and enrichment of knowledge among cadets.

Independent work should be provided with educational literature, study guides, assignments and methodological recommendations. All teaching and learning materials should have electronic versions. Methodological materials for independent work should provide for the possibility of self-control.

2.2. Frequency and peculiarities of current control, the general procedure for determining the score for current control:

An integral part of the process of professional development of officers of military units and subunits is the system of control and reporting on the quality of learning. The main purpose of the control is to ensure the scientific level of the acquired knowledge and the strength of the skills and abilities developed. The following control methods are used in teaching the discipline "Organisation of Moral and Psychological Support":

entrance control;

current control;

self-control;

final control.

The number of control measures, forms of their implementation, and frequency are communicated to cadets at the beginning of the discipline.

Entrance control is carried out before the study of the discipline in order to study the level of training of course participants and make changes to the content of the educational issues to be considered during the lesson.

Current control is carried out by teachers at all types of lessons.

The main purpose of the current control is to provide feedback between teachers and cadets in the learning process, to check the cadets' readiness to complete the next learning tasks, and to manage their learning motivation. The information obtained during the current control is used to adjust the methods and means of teaching, as well as for cadets' independent work.

Ongoing control can be carried out in the form of an oral survey or a written express control (flyer) during training sessions, as well as in the form of computer testing.

The results of the current control are recorded in the training logbook and are used and taken into account during the final control.

Self-control is intended for cadets' self-assessment of the quality of learning material on a specific topic of the discipline. Self-control is carried out in the form of control questions on the topic or testing on a computer.

2.3 Logistical support

Lessons should be held in a specialised classroom, which should be equipped with personal electronic computing equipment at the rate of one workstation per two cadets. It is mandatory to use technical training aids during the training sessions.

2.4 Information and methodological support

The main guiding documents for the teacher in preparing for lessons on the subject of the discipline are:

1. Constitution of Ukraine. The Basic Law. - Kyiv, 1996 (as amended) // Official Gazette of Ukraine of 21.02.2019.
2. Order of the General Staff of the Armed Forces of Ukraine of 27.04.2018 No. 173DSK "On Approval of the Guidelines for Moral and Psychological Support of Training and Use of the Armed Forces of Ukraine".
3. The Doctrine of Military Leadership Development in the Armed Forces of Ukraine, developed by the Main Doctrine and Training Department of the General Staff of the Armed Forces of Ukraine, December 2020.
4. Order of the Commander-in-Chief of the Armed Forces of Ukraine No. 173 of 23.10.2020 "On Approval of the Instruction on the Organisation of Psychological Training in the Armed Forces of Ukraine".
5. Order of the Commander-in-Chief of the Armed Forces of Ukraine No. 97 dated 14.04.2021 "On Approval of the Algorithm for Conducting Professional and Psychological Selection of Candidates for Contractual Military Service in the Armed Forces of Ukraine".
6. Standard "Psychological Training" STI 01.22.A, June 2018.
7. Order of the General Staff of the Armed Forces of Ukraine of 29.04.2017 No. 153 "On Approval of the Instruction on Assessment of the Moral and Psychological Condition of the Personnel of the Armed Forces of Ukraine" (as amended by Order of the General Staff of the Armed Forces of Ukraine of 16.08.2017 No. 287 "On Approval of Amendments to the Instruction on Assessment of the Moral and Psychological Condition of the Personnel of the Armed Forces of Ukraine").
8. Order of the General Staff of the Armed Forces of Ukraine of 27.12.2018 No. 462 "On Approval of the Instruction on the Organisation of Psychological Decompression of the Military Personnel of the Armed Forces of Ukraine".
9. Order of the Ministry of Defence of Ukraine of 04.01.2017 No. 4 "On Approval of the Instruction on Organisation of Information and Propaganda Support in the Armed Forces of Ukraine".
10. Methodological recommendations for psychological training of the Armed Forces of Ukraine on the formation of stress resistance to actions in conditions of a sharp change in the combat situation. TKP 1-160(31)03.01, Main Department of Moral and Psychological Support of the Armed Forces of Ukraine, January 2021.
11. Guidelines on the use of social media in the Armed Forces of Ukraine, approved by the Commander-in-Chief of the Armed Forces of Ukraine on 01.09.2021.
12. Methodological recommendations for commanders (chiefs) on the prevention of gambling addiction among servicemen, approved by the Chief of the General Staff of the Armed Forces of Ukraine on 30.06.2021.
13. Leadership psychological techniques: a manual for the company (platoon) commander / V.M. Moroz, O.H. Skrypkin - Kyiv: Research and Development Centre of the General Staff of the Armed Forces of Ukraine, 2020.

14. Methodological manual "Culture of relations in a military team. An Adviser to the Commander." / edited by N. A. Hahaiev. K. : Osvita Ukrainy Publishing House, FOP Maslakov R.O., 2021.
15. Psychology of Combat: Activities of a Unit Commander. Study guide. - Lviv: Mont Blanc, 2017.
16. Moral and psychological support in the Armed Forces of Ukraine. Textbook / Stasiuk V.V. - K.: NUOU, 2020.
17. Experience in the Use of the Armed Forces of the Leading Countries of the World (to be taken into account when acquiring capabilities by troops (forces) to perform assigned tasks), parts 1-3, 2014.

3. Topics and allocation of lesson time by type of lesson

№ s/n	Types of training sessions, control measures	Total hours	Among them.		Topic title and learning points
			Contact hours	Independent work	
1	2	3	4	5	6
Topic title 1: Organisation of Moral and Psychological Support for Company Training and Employment					
1.	Group session 1/1	4	2	2	Lesson 1: The essence and content of moral and psychological support in the Armed Forces of Ukraine based on the experience of combat operations. 1. General provisions for the moral and psychological support of troops in the Armed Forces of Ukraine. 2. Information and propaganda support in the Armed Forces of Ukraine: the essence, structure and legal basis of the organisation.
2.	Group session 1/2	2	2	-	Lesson 2: Organisation and conduct of internal communication work in the mouth. 1. The content of the activities of the unit's officials in relation to informing. 2. Organisation in the company Analysis of actions taken.
3.	Group session 1/3	4	2	2	Lesson 3: Information hygiene of troops. 1. Protection against negative information and psychological influence. 2. A warrior and a mobile phone.
4.	1/4	2	2	-	Lesson 4. Formation, maintenance and restoration of the moral and psychological state of company personnel. 1. The essence and content of the assessment of the moral and psychological state of the unit's personnel. 2. The procedure for assessing the moral and psychological state of company personnel.
5.	Group session 1/5	4	2	2	Lesson 5. Conflict prevention and resolution in the military environment. 1. Peculiarities of conflicts in the conditions of military service. 2. The essence of the process and technology of conflict resolution in the mouth.
6.	Group session 1/6	2	2	-	Lesson 6. Basics of psychological support in military units (subunits).

					<p>1. Psychological support: essence, content and tasks.</p> <p>2. Influence of modern combat factors on the psyche and combat capability of personnel.</p>
7.	Group session 1/7	4	2	2	<p>Lesson 7. Combat stress and first aid for a unit commander in a traumatic environment.</p> <p>1. Combat stress and help from the company commander.</p> <p>2. 2. Psychological mechanisms of first psychological aid.</p>
8.	Group session 1/8	2	2	-	<p>Lesson 8. Manifestations of deviant behaviour in the military environment</p> <p>1. Deviant behaviour: forms, types, causes, prevention.</p> <p>2. Psychological characteristics and prevention of alcohol and drug addiction in military personnel.</p>
9.	Practical session 1/9	4	2	2	<p>Lesson 9. Social and psychological training to reduce risk factors in the area of hostilities</p> <p>1. Methods of psychophysiological recovery (training).</p> <p>2. Autotraining and self-hypnosis: practice.</p>
10	Seminar (CR) 1/10	2	2	-	<p>Lesson 10. Moral and psychological support of military units in the Armed Forces of Ukraine</p> <p>1. Fundamentals of moral and psychological support of military units in the Armed Forces of Ukraine.</p> <p>2. Solving a test task on the topic.</p>
TOTAL		30	18	12	

MS 10. AUTOMITIVE TECHNICAL SUPPORT

1. The general purpose of the discipline (subject of study):

As a result of studying the discipline, the student should

know:

organisational structure and technical support tasks;

organisational and staffing structure, tasks and capabilities of motor vehicle support bodies, basics of their application in various types of tactical operations;

Fundamentals and rules of nuclear support;

organisation of protection, security and defence of forces and means of automotive support;

organising logistics planning in accordance with NATO Standard Operating Procedures (MDMP);

be able to:

manage the military unit's automotive service and organise its work during preparation and during combat (march);

to make decisions and manage units during combat missions, including automotive support;

organise the protection, security and defence of material and technical means and vehicle support forces;

Read tactical symbols used to display the logistical situation;

read and maintain working maps (diagrams), understand the tasks, assess the situation, make decisions as a road service officer in various types of tactical actions.

2. Organisational and methodological guidelines:

2.1. Features of the methodology of conducting lessons:

The methodology of teaching a discipline is based on the basic principles of didactics (theory of reasoning and learning). It provides a scientific and pedagogical description of the forms and methods of teaching, indicates the most appropriate combinations to achieve a certain level of learning, and determines the conditions for their most effective use.

To achieve the main learning objective, the programme provides for the following forms of learning:

frontal form of training, when all cadets perform the same task at the same time under the supervision of a teacher;

group form of training, when cadets are combined into groups (departments) depending on the staffing structure of the unit, which work in parallel;

individual form of training, when cadets complete tasks sequentially, one by one.

At the same time, depending on the need to achieve the levels of knowledge or skill, the teacher should use the following methods:

verbal and visual;

training;

situational and cognitive.

A verbal and visual method in which the teacher systematically and consistently presents the educational material, shows (demonstrates) the subjects studied in order for cadets to gain new knowledge and form the appropriate imagination.

The training (reproductive) method consists in performing complex actions in accordance with an algorithm (pre-established procedure) determined by the training leader to develop the necessary skills and ensure the coherence of military organisational structures.

Situational and cognitive - in reviewing and discussing real (probable) actions, learning about the experience of commanding troops (forces) in military conflicts and developing skills in information and analytical activities.

The above methods provide cadets with knowledge, skills, and abilities, but to develop their creative abilities, the group leader should use problem-based learning methods.

Problem-based teaching is when the group leader poses a problem to the cadets, solves it himself, but at the same time shows the ways of solving it, reveals the course of his thought. The immediate result of problem-based teaching should be that the cadet learns the method and logic of solving a particular problem, but not yet the ability to apply it independently. This method teaches cadets how to search for knowledge and helps them develop creative thinking skills.

The search (heuristic) method serves the purpose of gradually bringing cadets closer to solving problems on their own by first teaching them how to perform certain elements of the solution. It is used in group exercises when the method of finding the optimal solution is determined by the group leader, but the solution is found by the trainee.

Problem-based methods provide a deep assimilation of knowledge at the level of its creative application, mastery of creative thinking methods, and practical experience.

during lectures:

A lecture is the main type of training session designed to teach the theoretical material of a topic.

The main purpose of the lecture is to systematise the basis of scientific knowledge and practical experience on the topic, the state and prospects of development of management science, theory and practice of military leader's management activities, to focus on the most complex and nodal issues of the educational material. The lecture should be problem-based, stimulate active cognitive activity of cadets, and promote creative thinking. In order to enhance the cognitive activity of servicemen and to develop their creative thinking, technical teaching aids should be skilfully used during lectures in combination with active forms and methods of lecturing. Lessons should be conducted by the method of oral presentation of educational material, with individual questions and educational elements worked out in the form of a dialogue between the teacher and the cadets and by asking them problematic questions.

when conducting group sessions:

A group lesson is a type of training session during which the teacher presents new educational material in a verbal and visual way, controls the cadets' learning of this material by questioning them and helps to consolidate it.

Group sessions are held to enable cadets to study in detail the issues and problems discussed in lectures and to consider in detail topical issues of the course material. The main teaching methods are explanation with demonstration and discussion. Technical means of information transmission, tables, diagrams, slides, diagrams and posters should be used to ensure visualisation during the lessons.

during practical sessions:

Practical session is a type of training session during which the teacher organises the mastering of the theoretical provisions of the topic through individual performance of specially designed tasks and promotes the development of skills and abilities to apply these theoretical provisions in practice.

Practical sessions should be aimed at consolidating and deepening the knowledge gained by cadets in lectures and group sessions, as well as during independent work, and at developing skills in solving practical problems of everyday military activities.

when organising independent work:

Independent work should be carried out with the aim of working out and mastering the educational material; consolidating and deepening knowledge, skills and abilities; preparing for the next lessons and control measures; forming a culture of mental work, independence and initiative in the search, acquisition and enrichment of knowledge among cadets.

Independent work should be provided with educational literature, study guides, assignments and methodological recommendations. All teaching and learning materials should have electronic versions. Methodological materials for independent work should provide for the possibility of self-control.

2.2. Material and technical support:

Lessons should be held in specialised classrooms, which should be equipped with personal computers at the rate of one workstation per two cadets and at the training centre's training ground. It is mandatory to use technical training aids during the training sessions.

2.3 Information and methodological support:

1. The Constitution of Ukraine. The Basic Law. - Kyiv, 1996 (as amended) // Official Gazette of Ukraine of 01.10.2010.
2. Law of Ukraine "On Education" of 05.09.2017 No. 2145-VIII // Holos Ukrainy, 2017.
3. Law of Ukraine "On Higher Education" of 01.07.2014 No. 1556-VII (as amended) // Bulletin of the Verkhovna Rada of Ukraine of 19.09.2014.
4. Resolution of the Cabinet of Ministers of Ukraine of 25.02.2015 No. 345 "On Approval of the Procedure for the Supply of Arms, Military and Special Equipment and Ammunition during the Special Period, the Introduction of a State of Emergency, Measures to Ensure National Security and Defence, Repulsion and Deterrence of Armed Aggression and during the Anti-Terrorist Operation".
5. Order of the Minister of Defence of Ukraine of 2018 No. 01 "On the Implementation of Fuel and Lubricants and Other Materials Consumption Standards for the Operation of Weapons and Military Equipment".
6. Order of the Minister of Defence of Ukraine of 10.01.97 No. 5 "On Approval of the Regulation on Training of Drivers and Other Specialists of the Automobile Service in the Armed Forces of Ukraine and their Admission to Driving Vehicles".
7. Order of the Ministry of Defence of Ukraine and the General Staff of the Armed Forces of Ukraine of 01.03.2018 No. 88 "On Approval of the Instruction on Inspection and Assessment of the Condition of Weapons and Military Equipment in the Armed Forces of Ukraine".
8. Order of the Minister of Defence of Ukraine of 11.05.95 No. 115 "On the provision of motor vehicles with spare parts and accessories and the provision of military units with park equipment".
9. Order of the Minister of Defence of Ukraine of 01.07.2002 No. 219 "On Approval of the Manual for the Operation of Motor Vehicles in the Armed Forces of Ukraine".
10. Order of the Minister of Defence of Ukraine of 16.07.97 No. 300 "On Approval of the Regulation on the Military (Ship) Economy of the Armed Forces of Ukraine".
11. Order of the Minister of Defence of Ukraine of 01.11.1999 No. 330 "On Approval of the Regulation on Road Safety Bodies of the Ministry of Defence of Ukraine".
12. Order of the Minister of Defence of Ukraine of 17.08.2017 No. 440 "On Approval of the Instruction on Accounting for Military Property in the Armed Forces of Ukraine".

13. Order of the Minister of Defence of Ukraine of 28.08.2017 No. 455 "On Approval of the Procedure for the Transfer of Military Property to Enterprises, Institutions and Organisations Regardless of Ownership for Development, Production, Modernisation, Mastering of Repairs, Repair, Technical Condition Examination, Special Inspections and Storage and Return"
14. Order of the Minister of Defence of Ukraine of 08.12.2016 No. 663 "On Approval of the Regulation on Labour Protection Service in the Ministry of Defence of Ukraine and the Armed Forces of Ukraine"
15. Order of the Minister of Defence of Ukraine dated 12.12.2016 No. 678 "On Approval of the Instruction on the Use of Motor Vehicles in the Ministry of Defence and the Armed Forces of Ukraine".
16. Order of the Minister of Defence of Ukraine of 29.09.2014 No. 685 "On Approval of the Regulation on Fire Safety in the Ministry of Defence of Ukraine and the Armed Forces of Ukraine"
17. Order of the Minister of Defence of Ukraine of 29.09.2014 No. 688 "On Approval of the Regulation on Occupational Health and Safety Training and the Procedure for Admission of Military Personnel of the Armed Forces of Ukraine to Work".
18. Order of the Chief of the General Staff - Commander-in-Chief of the Armed Forces of Ukraine of 12.04.2010 No. 55 "On Approval and Enactment of the Time Table of Urgent Reports on Operational and Logistical Support of Troops (Forces) for Peacetime".
19. Order of the Deputy Minister of Defence of Ukraine for Armaments - Chief of the Armed Forces of Ukraine of 22.08.1998 No. 72 "On the introduction of the Guidelines for the storage of automotive equipment and property in the Armed Forces of Ukraine".
20. Military regulations of the Armed Forces of Ukraine. - Kyiv: Varta.

Further reading:

1. Fundamentals of automotive support. Process modelling: Study guide (stamp of the Ministry of Education and Science of Ukraine) / Demianchuk B.O., Verpivskiy S.M., Melenchuk V.M. - Odesa: Military Academy (Odesa), 2015. 330 p.
2. Vehicle maintenance. Management of the resource and renewal of the car park: Textbook (stamp of the Ministry of Education and Science of Ukraine) / Demianchuk B.O., Makhankov V.A., Obertas V.F. - Odesa: Military Academy (Odesa), 2016. 243 p.
3. Basics of technical support. Justification of decisions: Study guide (stamp of the Ministry of Education and Science of Ukraine) / Demianchuk B.O., Malyskin O.V. - Odesa: Military Academy Publishing House (Odesa), 2014. 208 p.
4. Fundamentals of military logistics. Forecast models of provision: Study guide (stamp of the Ministry of Education and Science of Ukraine) / Gulyak O.V., Demianchuk B.O. and others - Odesa: Military Academy (Odesa), 2019. 262 p.
5. Automobiles. Theory: Study guide (stamp of the Ministry of Education and Science of Ukraine) / Sakhno V.P., Polyakov V.M., Holovan V.G. and others - Odesa: Military Academy Publishing House (Odesa), 2017. 216 p.
6. Army vehicles. Operation of military vehicles: Textbook (stamped by the Ministry of Education and Science of Ukraine) / Doroshenko O.F., Tkachuk P.P. et al. - Lviv: Academy of Land Forces, 2010. - 578 p.

7. Demianchuk B.O. Theory of compromise: a model of utility and risk, heuristic solutions, forecasting of consequences / B.O. Demianchuk, V.M. Kosarev // Collection of scientific works "Bulletin of the International Nobel Economic Forum". Edition of the international scientometric databases INDEX COPERNICUS, ULRICH'S PERIODICALS DIRECTORY. - 1(6), 2013. - P. 105 - 114.

8. Decision-making systems in engineering: from theory to practice, Volume 2. Reconciliation of rational and heuristic decisions based on a competitive model of utility and risk: Monograph / Demianchuk B.O. et al: ART SYNTHESIS-T Publishing House, 2014. - P. 397-412.

3. Titles of topics and distribution of study time by type of study session

№ s/n	Types of training sessions, control measures	Total hours	Among them		Topic and learning points
			Contact lessons	Training sessions	
1	2	3	4	5	6
Section 1 Basic measures of Automotive Technical Support for Troops.					
		60	30	30	Topic 1 The Main Tasks of Automotive Technical Support of Combat Operations.
1.	Lecture 1/1	2	2		Lesson 1: The system of automotive technical support of the Armed Forces of Ukraine. 1. Automotive technical support of combat operations. Types of technical support. 2. The system of automotive technical support. Basic principles and tasks of automotive technical support. 3. Subsystem of automotive technical support. 4. Automotive technical support of autonomous actions of groups of troops on the territory controlled by the enemy within a radius of 10...15 km to 100 km or more from the points of permanent deployment (Combat experience).
2.	Group session ½	4	2	2	Lesson 2: Automotive technical support of combat operations of the Armed Forces of Ukraine. 1. The role of automotive technical support in ensuring the combat capability of troops. 2. Basic measures of Automotive technical support and the procedure for their implementation in preparation for and during combat operations.
3.	Group session 1/3	2	2		Lesson 3. Tasks and organisation of the automotive service. 1. The main tasks of the automotive service. 2. Organisation of the automotive service in the Armed Forces of Ukraine. 3. Officials of the automotive service of units and military units and their duties. 4. Developing the organisational and staffing structure of the <i>ombr</i> automotive service.
4.	Group	8	2	6	Lesson 4. Forces and means of automotive technical support.

№ s/n	Types of training sessions, control measures	Total hours	Among them		Topic and learning points
			Contact lessons	Training sessions	
1	2	3	4	5	6
	session 1/4				<ol style="list-style-type: none"> 1. Forces and means of automotive technical support of <i>the ombr</i>. 2. Practical testing of the organisational and staffing structure of <i>the ombr of the CBRN</i>. 3. Organising the repair of automotive equipment in the combat zones. (combat experience)
5.	Group session 1/5	4	4		<p>Lesson 5. Sequence of work of the chief of the automotive service during the organisation of automotive technical support of combat operations according to NATO standards.</p> <ol style="list-style-type: none"> 1. The sequence of work of the head of the automotive service of the <i>ombr</i> in planning motor support (application of MDMP planning and decision-making procedures according to the standards of NATO). 2. Procedure for managing vehicle maintenance. 3. Drawing up an algorithm (MDMP procedure) for the work of the head of the automotive service of the <i>ombr</i>.
6.	Group session 1/6	6	2	4	<p>Lesson 6. The work of the chief of the automotive service in the organisation of automotive technical support for combat operations.</p> <ol style="list-style-type: none"> 1. Main indicators of combat readiness of the military unit's automotive service. 2. The procedure for determining the assessment of the condition of automotive equipment. 3. Calculate the technical readiness factor of the <i>ombr (according to the task)</i>.
7.	Group session 1/7	8	2	6	<p>Lesson 7. Basic standards and calculation methods for planning vehicle maintenance.</p> <ol style="list-style-type: none"> 1. Calculating the readiness of automotive equipment. 2. Standards for assessing the impact of enemy striking factors. 3. Performing calculations of losses of motor vehicles due to operational reasons <i>(according to the task)</i>.

№ s/n	Types of training sessions, control measures	Total hours	Among them		Topic and learning points
			Contact lessons	Training sessions	
1	2	3	4	5	6
8.	Group Session 1/8	4	4		<p>Lesson 8. Performing calculations when planning vehicle maintenance.</p> <p>1. Performing calculations of combat readiness indicators.</p> <p>2. Performing calculations to assess the production capabilities of automotive support forces and equipment.</p> <p>3. Practical implementation of calculations of vehicle failure due to combat damage (<i>according to the task</i>).</p>
	Group session 1/9	10	4	6	<p>Lesson 9. Provision of military units with automotive vehicles and property.</p> <p>1) Accumulation and echeloning of stocks of technical equipment and block sets of spare parts to ensure the restoration of military equipment in the field</p> <p>2. Practical implementation of calculations for the accumulation and echeloning of automotive property of intact stocks (<i>according to the assignment</i>).</p>
	Group session 1/10	10	4	6	<p>Lesson 10. Manning of military units with motor vehicles and personnel of the automotive service according to mobilisation orders.</p> <p>1. Equipping military units with motor vehicles and automotive service personnel.</p> <p>2. Reception points for personnel and vehicles of a military unit.</p> <p>3. Performing calculations for the provision of automotive property for the intact stocks <i>of the ombr</i> (<i>according to the assignment</i>).</p>
11.	Group session 1/11	2	2		<p>Lesson 11. The procedure for storing fixed assets.</p> <p>1. Storage of automotive equipment.</p> <p>2. Repair and maintenance kits of automotive property, the procedure for their formation and echeloning.</p> <p>3. Calculations and preparation of echeloning of motor vehicles of the emergency automotive materiel <i>of</i></p>

№ s/n	Types of training sessions, control measures	Total hours	Among them		Topic and learning points
			Contact lessons	Training sessions	
1	2	3	4	5	6
					<i>the ombr.</i> 4. 4. Modular control.
		18	10	8	Topic 2 Basic Provisions of Automotive Technical Support for Military Units in the Main Types of Combat (march).
12.	Group session 2/1	4	2	2	Lesson 1. The work of the automotive service during the preparation and conduct of combat operations (march). 1. Procedure for the work of the chief of the automobile service during preparation for combat operations (march). 2. Planning the use of forces and means of automotive technical support of the <i>ombr</i> during combat operations (march) 3. Organising the restoration of the combat capability of automotive vehicles after a battle (march), taking into account the experience of combat operations.
13.	Group session 2/2	10	4	6	Lesson 2: Organisation of vehicle recovery in combat conditions. 1. Organisation of vehicle recovery in combat conditions. 2. Composition of technical reconnaissance forces and means. 3. Calculating the production capabilities of the repair units of the <i>ombr</i> . 4) Organising the evacuation of damaged vehicles in combat zones.
14.	Group exercise 2/3	4	4		Lesson 3: Organisation of automotive technical support in the main types of combat. 1. The work of a automotive service in preparation for combat. 2. The work of the automotive service during the battle.

№ s/n	Types of training sessions, control measures	Total hours	Among them		Topic and learning points
			Contact lessons	Training sessions	
1	2	3	4	5	6
	(M)				3. Organisation of technical reconnaissance and evacuation of vehicles. 4. 4. Organisation of vehicle recovery in combat conditions. 5. Organisation of protection, security and defence of motor vehicles and motor vehicle service facilities.
Chapter 2 Automotive Technical Support of Troops on the March and in the Main Types of Combat.					
		40	40		Topic 4 Automotive technical support during the march of the <i>battalion</i>.
15.	Lecture 4/1	2	2		Lesson 1: Automotive technical support for the <i>ombr</i>'s march. 1. Basic provisions for the organisation of the march. 2. Measures of automotive technical support during preparation for the march and during the march. 3. Peculiarities of automotive technical support during the movement of troops in combat operations.
16.	Group exercise 4/2	6	6		Lesson 2: Developing a work card for the head of the automotive service. 1. Introduction to the tactical situation. 2. Obtaining and studying a preliminary order on automotive technical support from a senior military command authority. 3. Analyse the assignment and identify immediate actions. 3. Draw the initial tactical situation on the map.
17.	Group exercise 4/3	6	6		Lesson 3: Planning the organisation of automotive technical support for the march of the <i>ombr</i>. 1) The application by the Ukrainian Armed Forces of the NATO-standard march planning and decision-making procedure. 2. Identify urgent measures and prepare a preliminary order to the <i>ombr</i> units. 3. Communicate preliminary orders to the <i>ombr</i> units.

№ s/n	Types of training sessions, control measures	Total hours	Among them		Topic and learning points
			Contact lessons	Training sessions	
1	2	3	4	5	6
					4. Setting tasks for the commander of the automotive company to prepare the brigade's equipment for the march.
18.	Group exercise 4/4	6	6		<p>Lesson 4. Organisation of preparation of vehicles, forces and means of automotive technical support for the march.</p> <p>1. Analysis of the options for automotive support of the <i>ombr</i>'s march.</p> <p>2. Organisation of maintenance, evacuation and repair of vehicles during the march.</p> <p>3. Practical development of the scheme of organising the closure of marching columns <i>of ombr</i> on the march.</p>
19.	Group exercise 4/5	4	4		<p>Lesson 5. Planning the organisation of automotive technical support for the march of the <i>battalion</i>.</p> <p>1. Performing calculations to assess the state of the <i>ombr</i>'s automotive service in preparation for the march.</p> <p>2. Predicting possible vehicle breakdowns and making a preliminary decision on the use of automotive units.</p> <p>3. Developing proposals for closing marching columns of units on the march.</p> <p>4. Drawing on the working map of the organisation of the technical closure of the columns <i>of the ombr</i> on the march.</p>
20.	Group exercise 4/6	4	4		<p>Lesson 6. Organising the restoration of vehicles during preparation and during the march.</p> <p>1. Communicating the order for automotive technical support to the deputy commander of the OC for weapons for the march.</p> <p>2. Drawing the technical situation on the working map of the chief of automotive service.</p>

№ s/n	Types of training sessions, control measures	Total hours	Among them		Topic and learning points
			Contact lessons	Training sessions	
1	2	3	4	5	6
					3. Development of options for the use of automotive support forces and means by the chief of the automotive service. 4. Preparation of a report to the senior head of the military command and control body.
21.	Group exercise 4/7	6	6		Lesson 7. Preparation of planning documents for automotive technical support of the march by the chief of the automotive service. 1) Developing planning documents for the automotive technical support of the march (<i>MDMP procedure</i>). 2. Prepare an order to the commander of the automotive maintenance company to prepare for the march. 3) Coordinate the planning of the march's automotive technical support with the brigade's officials. 4. As a commander of a automotive maintenance company, practice issuing orders (SMESC format) and setting tasks for subordinates to organise vehicle repairs during the march.
22.	Group exercise 4/8	6	6		Lesson 8. Preparation of proposals for the organisation of automotive maintenance. 1. Report on the options for organising automotive technical support for the <i>ombr's</i> march. 2. Drawing the option of action for the automotive technical support of the march on the working map. 3 Preparation of a daily report on automotive technical support. 4. As the chief of the <i>ombr's</i> automotive service, evaluate the status and decision-making on inductions. (<i>inductions prepared by the teacher</i>)
		28	28		Topic 5. Automotive Technical Support for Defensive Combat.
23.	Lecture 5/1	2	2		Lesson 1: Organisation of automotive technical support in a defensive battle of a battalion. 1. Influence of defence conditions on the peculiarities of the combat zone. 2. Deployment of forces and means of the ATO during combat operations in defence. 3. Creation and echeloning of stocks of automotive property for the effective restoration of military

№ s/n	Types of training sessions, control measures	Total hours	Among them		Topic and learning points
			Contact lessons	Training sessions	
1	2	3	4	5	6
					equipment in the field.
24.	Group session 5/2	2	2		<p>Lesson 2: Fundamentals of automotive technical support during preparation and defensive combat of a <i>battlegroup</i>.</p> <p>1. The main measures of automotive technical support and the procedure for their implementation during preparation and during combat.</p> <p>2. Organisation of technical reconnaissance, evacuation and repair of vehicles during combat.</p> <p>3. Use of forces and means of automotive technical support in defence.</p>
25.	Group session 5/3	2	2		<p>Lesson 3. Development of documents for the defence of <i>the ombr</i>.</p> <p>1. Drawing up a preliminary order (WARNO-1) for the automotive technical support of the combat operations of the <i>ombr</i> in defence.</p> <p>2. Sequence of work of the company commander for the repair of automotive vehicles of the <i>ombr</i> after receiving an order to organise the repair of vehicles during combat operations (TLP troop management procedure).</p> <p>3. Rehearsal of an order by the commander of a automotive maintenance company to organise the restoration of vehicles during combat.</p>
26.	Group session 5/4	2	2		<p>Lesson 4. Basic provisions for automotive technical support of defensive combat of the <i>battalion</i>.</p> <p>1. Planning the deployment of forces and means of automotive technical support during defensive operations.</p> <p>2. Developing proposals for technical reconnaissance for non-staff vehicle support units (PTS, GTR, RyAEG, EG).</p> <p>3. Drawing up a scheme for organising technical reconnaissance and evacuation of damaged vehicles in</p>

№ s/n	Types of training sessions, control measures	Total hours	Among them		Topic and learning points
			Contact lessons	Training sessions	
1	2	3	4	5	6
					defence.
27.	Group exercise 5/5	6	6		<p>Lesson 5. Report on the analysis of the task and immediate measures by the head of the automotive service of the <i>ombr</i>.</p> <ol style="list-style-type: none"> 1. Report on the analysis of the assignment by the chief of the automotive service. 2. Report on urgent measures for automotive maintenance. 3. Time calculation by the head of the automotive service. 4. Performing calculations for assessing the state of the automotive service. 5. Work out the preliminary order for automotive support (WARNO-2).
28.	Group exercise 5/6	2	2		<p>Lesson 6. Calculation of the breakdown of the automotive vehicles of the <i>ombr</i> during a defensive battle.</p> <ol style="list-style-type: none"> 1. Calculation of the breakdown of automotive vehicles of the <i>ombr</i> due to combat damage and operational reasons. 2. Determine the scope and capabilities for evacuating faulty vehicles during combat. 3. Developing an action plan for the evacuation of vehicles based on the experience of combat operations.
29.	Group exercise 5/7	6	6		<p>Lesson 7. Preparation of proposals by the chief of the automotive service and development of documents for the plan of (logistical) technical support of the <i>ombr</i>.</p> <ol style="list-style-type: none"> 1. Preparing a report on the option of action for automotive technical support of defensive combat to the deputy commander of the <i>ombr</i> for logistics. 2. Completion of the planning of automotive maintenance. 3. Practising the order for automotive technical support (WARNO-3).
30.	Group	6	6		Lesson 8. Presentation of an action option for automotive technical support and participation in

№ s/n	Types of training sessions, control measures	Total hours	Among them		Topic and learning points
			Contact lessons	Training sessions	
1	2	3	4	5	6
	exercise 5/8				<p>the planning of the <i>ombr</i>'s technical support.</p> <p>1. Rehearse the report on automotive technical support to the chief of the automotive service of the operational command.</p> <p>2. Decision-making at the automotive technical support based on changes in the situation (introductory).</p> <p>3. Peculiarities of automotive technical support based on the experience of combat operations.</p>
		54	30	24	Topic 6 Automotive Technical Support During Preparation and During Offensive Combat.
31.	Lecture 6/1	2	2		<p>Lesson 1: Influence of the nature of offensive combat on the peculiarities of organising automotive technical support.</p> <p>1. Use of automotive vehicles in an offensive battle from a position of direct contact with the enemy.</p> <p>2. The procedure for the use, deployment and movement of automotive vehicles in combat.</p> <p>3. Deployment and movement of forces and means of the ATO in the course of an offensive battle.</p> <p>4. Peculiarities of maintenance of military automotive vehicles in the conditions of "broken" rhythm of its operation and long distances of delivery of property and ammunition to troops in combat zones.</p>
32.	Group session 6/2	5	2	4	<p>Lesson 2: Fundamentals of automotive technical support during the preparation and offensive battle of an airborne <i>battalion</i>.</p> <p>1. The main measures of automotive technical support and the procedure for their implementation in preparation for the offensive.</p> <p>2. The main measures of automotive technical support and the procedure for their implementation in the course of an offensive battle.</p> <p>3. The use of forces and means of automotive technical support in combat.</p>
33.	Group exercise	4	4		<p>Lesson 3: Presentation of the analysis of the task and immediate measures by the chief of the automotive service of the <i>ombr</i>.</p>

№ s/n	Types of training sessions, control measures	Total hours	Among them		Topic and learning points
			Contact lessons	Training sessions	
1	2	3	4	5	6
	6/3				<p>1. The chief of the automotive service is responsible for preparing the analysis report to the deputy <i>obmr</i> commander for logistics.</p> <p>2. Preparation of a report on urgent measures for automotive technical support and approval of a preliminary order for automotive technical support.</p>
34.	Group exercise 6/4	8	4	4	<p>Lesson 4. The decision-making sequence (MDMP) of the NAC during the planning of the offensive battle of the chief of the automotive service.</p> <p>1. Time calculation by the chief of the automotive service.</p> <p>2. Drawing up a personal work plan for planning automotive technical support for an offensive battle.</p> <p>3. Drawing up a schematic diagram of the organisation of technical reconnaissance, evacuation and repair of damaged vehicles during an offensive battle.</p>
35.	Group exercise 6/5	10	6	4	<p>Lesson 5. Communicating a preliminary order to subordinates by the chief of the automotive service of the <i>ombr</i>.</p> <p>1. Report on the time calculation by the chief of the car service.</p> <p>2. Communicate the preliminary order to unit commanders (WARNO-1).</p> <p>3. Practical testing of the vehicle action option by the chief of the automotive service in the plan of automotive technical support of the offensive battle.</p>
36.	Group exercise 6/6	10	6	4	<p>Lesson 6. Preparation of proposals by the chief of the automotive service and development of documents for the automotive technical support plan of the <i>ombr</i>.</p> <p>1. Calculating the state of the automotive service at the beginning of hostilities.</p> <p>2. Decision-making on the preparation of automotive vehicles, forces and means of motor automotive technical support for combat.</p> <p>3. Enter the decision on the work card of the chief of the automotive service.</p>

№ s/n	Types of training sessions, control measures	Total hours	Among them		Topic and learning points
			Contact lessons	Training sessions	
1	2	3	4	5	6
37.	Group exercise 6/7	6	6		Lesson 7. Management of automotive technical support for the offensive battle of the <i>battalion</i>. 1. Management of automotive technical support for the offensive battle of the <i>battalion</i> . 2. Decision-making on changes in the situation (introductory). 3. Practice reports on vehicle maintenance.
Total for the academic year discipline		224	168	56	